

BUILDING DESIGN

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The weekly newspaper for the design team

FRIDAY JUNE 13 1986

MKDC in £8m legal battle

Milton Keynes Development Corporation this began a campaign to recover more than £8 million awarded to it in a High Court action against building contractor Cruden Ltd. The judgment came at the end of legal proceedings relating to allegations of water extraction, condensation, and bad workmanship on 32 houses on the Coffee Hall estate. This was designed by the corporation's archi-

tecs and completed in the mid-1970s.

Cruden carries no liability insurance, has few assets, and has not traded for seven years since the reorganisation of the Cruden group of companies in 1979.

It is thought that Milton Keynes will be trying to recover the award from Cruden's parent company.

Lambeth staff end up in magistrates court

PUNCH-UP' ARCHITECT BOUND OVER

SENIOR trade union official in Lambeth architects' department has been bound over to keep the peace and ordered to pay costs of £500 following a court case this week.

Lambeth magistrates found that Nalco convenor Mark Drummond's house looking for using official files.

The court heard that when he

assaulted Drummond, Hall assaulted him. Hall is considering an appeal. Drummond himself has been suspended from the council on disciplinary hearing.

By Alan Thompson

misconduct charges connected with a dispute with Nalco, and could lose his job. He claimed the court verdict was "game set and match to my cause".

Charges against Drummond relate to his support for prin-

cipal council architect Herb Meyer, who has been suspended for alleged mismanagement for almost a year without a disciplinary hearing.

Drummond, who spoke to national newspapers about the case and openly criticised the council, claims he and Meyer are the victims of a personal campaign of vilification based on political grounds.

Drummond was going to ask for a hearing immediately after the court case was over, but now claims to have discovered procedural irregularities in the council's disciplinary rules.

Under 1978 employment legislation, employers are bound to give written details of disciplinary rules when they initiate proceedings and give details of grievance procedure.

Lambeth has not issued Drummond with these details, he says. "Until they tell me what the charges are, I can't arrange my defence," he told *BD*.

Lambeth is hoping for an early conclusion to the Drummond/Meyer saga and had planned a hearing for Drummond at the end of this month, and for Meyer in July.

Star names oppose policy on drawings

NEW high-powered lobby is losing the proposal to move the BA Drawings Collection back to Portland Place.

A letter to *The Times* criticising the plan has been signed by Mark Girouard, James Stirling, Frank Newby, Dennis Lennon, Ian Hargrave and Hugh

They say the plan to turn No 68 Portland Place into a home for the collection, moving it from its present home in nearby Portman Square, is "ill-conceived and rigorously damaging" to the collection. The letter says the institute's needs are enervating, but that it is "into unnecessary and prohibitively costly" to move it.

Instead, the signatories ask for the collection to be left where it is, with a view to expanding into additional space in Portman

Square when it becomes available.

Sir Hugh Casson has also written to institute president Larry Rolland, saying that he feels "uneasy" about the decision so far taken by council on this matter, and that other members feel the same way.

Portable heaters renew gas risk

GLASGOW district council is planning to strengthen the highest Reema blocks in the country to less than 35kN even though it knows tenants still use bottled gas in the blocks.

The 25-storey blocks at Royston Hill had their gas taken out following the Ronao Point disaster in 1968, but bills of up to £100 a month to run electric

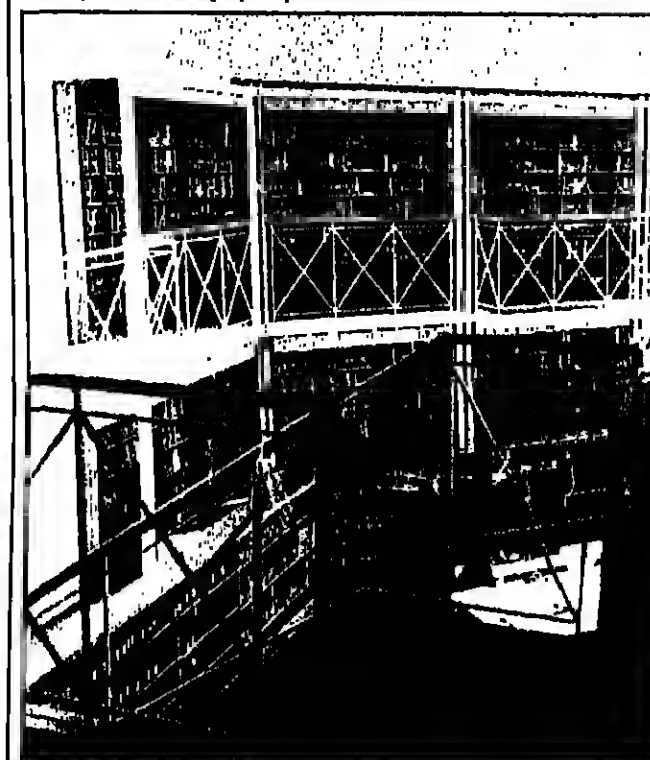
storage heaters are forcing tenants to use portable gas heaters.

A spokesman for the council said residents had been instructed not to use gas appliances, "but we can't force them to not use them".

Meanwhile, Camden council is acting to eliminate problems in its Reema block.



Stockley Park - buildings by Arup Associates unveiled last week.



Another Arup completion - library for Clare College, Cambridge.

Elegance from Arup

Arup Associates' production line of elegant and restrained buildings continues apace, with the completion of the first buildings of the massive Stockley Park development near Heathrow just a year after the start of the project.

These three units in the 40th business park, which is part of an overall 140ha land reclamation exercise masterplanned by the practice for Stuart Lipson's Stockley Park, provide flexible space aimed at international research and development companies.

The £75 million first phase will provide 140,000sq m of space, with another 90,000sq m planned.

Other parts of the development include extensive landscaping, a golf course, sports and conference facilities, shops and restaurants.

Meanwhile Clare College Library in Cambridge, also by Arup Associates, was inaugurated by the Duke of Edinburgh this week. The project went ahead despite opposition to a design which blocks the axis of Giles Gilbert Scott's University Library. (Photos: Brian Blackwood) Perspective page 12.

Design win for Fitch

FITCH & Co have won the Debenhams corporate redesign commission, following the Burton Group's decision to drop the link with Conran that helped win the Debenhams takeover.

Fitch will have to carry out around £30 million worth of projects, including the £10 million Oxford Street flagship store, before Christmas.



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New light on a master

Dennis Sharp heard Prof Franz Schulze give the Mies van der Rohe centennial lecture at the RIBA.

THE author of a major new biographical study, Prof Franz Schulze of Chicago has some new and valuable information on Mies van der Rohe, the master architect who was born in the German-Dutch border town of Aachen in 1886 and who altered the appearance of major American cities in the immediate post-war period.

In his centennial lecture, entitled "Mies van der Rohe and the Zeitgeist question", Schulze demonstrated how little we really know about Mies' background and contemporary connections. Thus an in-depth, unillustrated paper seemed entirely in order, although perhaps somewhat exasperating for those who had attended to view yet another slide show on the architect's work.

Indeed, the carefully prepared talk may well have proved difficult for those unfamiliar with the subtleties of German philosophical thought of the first quarter of this century.

But Adrian Gale, who acted as chairman for the evening — and who had returned only that morning from hosting the SAG at the Farnsworth House — recommended the speaker's original scholarship and ent-

phasised its value at a time when Mies' reputation lies artificially low in Britain. In such circumstances eulogies would have been out of order. Thankfully Schulze sensed this and gave instead a thoughtful and analytical paper.

The *Zeitgeist* of his title, he said, referred specifically to the Hegelian basis of Mies' ideas and to his self-appointed Olympian mission, which he took so seriously throughout his life. Mies possessed an acute consciousness of his age. As a young man he came under the influence of the important aesthetic and philosopher Alois Riegl (who drew a distinction between geometrical and naturalistic types of art) and he served a

period (from 1908-12) under the tutelage of the significant German pioneer Modernist Peter Behrens.

In Behrens' office the young architect saw the importance of both the *Jugendstil* and the geometrical basis of Classical Modernism and its connections to Schinkel. Mies learned much from his employer, whose AEG Turbine Hall in Berlin indicated the power of his architectural theory through its symbolisation of what Schulze summarised as "art, geometry, technology and the state".

Soon, however, a quarrel developed while Mies was working on the Kröller House project for The Hague and he left Behrens' employ. Mies, it appears, had expressed his admiration for the Dutch architect H.P. Berlage, with whom he was to share beliefs in agnostic-

ism, collectivism, rational architecture, Frank Lloyd Wright and natural laws.

Mies had also independently seen an exhibition of Wright's work in Berlin around 1910, claiming it had "unexpected force". Its message, particularly in relation to the use of free-flowing spaces on plan, became an energetic component of his own free domestic space designs of the post-World War I period.

By 1927 he was put in charge of the Stuttgart *Weissenhofsiedlung* where he erected his only essay into German social housing. His reputation was enhanced by the Barcelona Pavilion, the Tugendhat House at Brno and the eventual headship of Gropius' fateful Bauhaus. In 1938 he moved to the United States.

From that date the story appears more familiar and Schulze chose questions rather than repetition. Inevitably he was asked how he viewed the Mansion House decision. His categorical denial reassured his audience and left few in doubt that Mies' work has lasting value.

His disciples, followers and admirers, many of whom were at the RIBA last week, will no doubt work hard during this centenary year to remedy public opinion about a truly great world architect.

The Mies van der Rohe centenary exhibition is reviewed by Robert Harbison on page 44.



Franz Schulze... filling in the background. (Photo: Geoff Beekman.)

Opinion

Questions of history

Richard Griffith of the Historic Buildings & Monuments Commission sets some questions for the DoE on listed building control.

THE Select Committee on the Environment is inquiring into historic buildings and ancient monuments. What questions should it be asking?

Hopefully it will take a look at the administration of statutorily listed buildings. There is an absence of information about the best of our architectural heritage. Nobody even knows how many buildings are protected, let alone how well they are protected.

As long ago as 1966, Lord Kennet was able to write of listed building control: "I marvelled at the willingness of Parliament to set up, and the Civil Service to operate, a system designed to have a certain effect without ever checking whether it was having that effect, or another, or none."

Baroness Birk, speaking in the House of Lords in 1985, said: "It is rather surprising that while extensive powers can be exercised over listed buildings, there is no machinery for collecting and analysing information on how these powers have been used, and how effectively they are dealing with identifiable pressure in particular areas."

Therefore I would like to propose three questions for the select committee to ask the Secretary of State for the Environment:

1. How many buildings are listed?
No one knows how many buildings are subject to listed building control. The DoE, which compiles the lists, says the current number is 385,000 and that when the resurvey of buildings in England and Wales is completed by the end of 1987 this will have increased to about 500,000.

These figures are wrong. They represent a count of list entries. Since one entry can relate either to something as small as a single bollard or to something as large as a complete square of houses, the count is almost meaningless. (Shortly before its dissolution, the Greater London Council carried out a survey of the proposed revised list for the City of Westminster. It contained 3,418 entries, but these identified 10,524 individual buildings. If this ratio is extended across the country, the total number of buildings subject to listed building control would not be 500,000 but closer to 1,500,000. In reality the total will probably be somewhat less.

than that figure — perhaps one million individual buildings.)
2. What types of listed building? If the department does not know the number of listed buildings, naturally it can know nothing of how those buildings are distributed by type.

It is curious that the authority charged with overseeing the effective administration of the country's architectural heritage has made no attempt to do even basic research on the types of

building that are subject to listed building control. It is not as though it is difficult to collate information about characteristics such as the original use, date and form of a listed building. Most of it is already contained in individual list descriptions. Yet the department has never undertaken even an elementary distribution analysis of building types.
3. What is the effect of listed building control?

Points to note

Central government has offered two reasons for resisting the introduction of a monitor in recent months:

Difficultly and expense: "... (a monitor) would be costly to operate, requiring extra staff both here in my department and in the local authorities; thus it would run counter to our determined efforts to reduce the administrative cost of both central and local government. Moreover, I am not convinced that the resulting statistics would actually prove useful in practice." (Letter from Neil MacFarlane MP, August 31, 1985.)
"... the sort of register you envisage would be neither simple nor inexpensive." (Letter from chief executive, HBMC, August 6, 1984.)

Comment: The average running cost of the GLC's system for monitoring alterations to listed buildings (including professional staff time, administration and information processing) is less than 20 pence per building per annum. The total running costs of extending such a system across the country would amount to no more than the cost of four full-time professional staff.

Local discretion: "There are now more than 290,000 listed buildings in England, comprising a wide variety of local contexts, and it follows from this that listed building consent

applications cover a multitude of different types of work. Rightly, in my view, administration of listed building controls is very largely a local matter, and different authorities have devised their own methods of co-ordinating decisions within their own land often territories. I do not think that national co-ordination would be worthwhile, or even feasible in the case of all alterations to Grade II buildings. Treatment of listed buildings must take so much account of the local context that it would be unrealistic to seek for nationwide consistency." (Neil MacFarlane MP, August 31, 1985.)

"To go any further would involve persuading the Secretary of State to require local authorities to make additional more detailed returns to us affecting matters which are entirely within local discretion." (Chief Executive, HBMC, March 3, 1985.)

Comment: Monitoring listed building controls does not imply either an infringement of local discretion or "nationwide consistency". It would make it possible for each local authority to review how it is using the control, and to compare how other local authorities are using the control, and to correct unintentional variations. Similarly, the secretary of state and the HBMC would be in a position to review the general effectiveness of the control. At present any review is impossible because nobody describes what the control is doing.

On a cautious estimate, if building control will affect more than £2,000 million worth of development in this financial year. This figure will, dramatically, as the resurvey is completed. The department cannot reasonably oversee quantity of development without a mechanism of review the effect of listed building control.

Yet there is no articulation of what is happening to listed buildings. In the past department's own circular 61/68 and 23/77 both indicate the intention to introduce a scheme. Mysteriously, without comment, that initiative was dropped in 1981.

Yet without a monitor of the control is doing, effort to protect listed buildings seriously handicapped. In particular: (i) it is almost impossible to identify variations in the administration of the control, and correct unintentional variations; (ii) it is almost impossible to identify target areas of particular interest, and to deploy limited resources accordingly; (iii) it is increasingly difficult to defend the whole system against the criticism that it is arbitrary and capricious.

A prototype monitor introduced by the GLC in November 1984. It covers listed building consents in Greater London area, and is the first systematic attempt to describe the effect of listed building control. It monitors severity of permitted alterations, and how patterns of alterations vary from time to time, from area to area and from building type to building type. The department has pointedly ignored this development.

The select committee may consider asking the secretary of state the following questions:
1. Will he arrange for a background research concerning the number of buildings subject to listed building control?
2. Will he arrange for background research concerning the type and distribution of buildings subject to control?
3. Will he arrange for a monitor of the control for listed buildings?

Hackney to quit new unit

HACKNEY council is quitting the Central Technical Unit, renamed the London Design Consortium, which was formed out of the ashes of GLC design departments.

Instead Hackney plans to recruit its own top-class design team instead.

With more than 30 per cent of the GLC's repair and refurbishment programme in Hackney, the council says it is not being adequately represented.

The new political leadership in the council now say that Hackney has to be committed to doing things itself. It will shortly begin a high-profile recruitment campaign to attract architects, engineers and surveyors.

A council spokesman said: "We have learnt that if we are to have top-class staff we have to offer better pay and careers structure."

Meanwhile the CTU is still having problems recruiting staff. Only half of the 125 design posts have been filled, though a spokesman said the response from architects has been good.

Highworth Point on the Trowbridge estate in Hackney is to be demolished by controlled explosion on September 2.

The 21-storey block, built in 1968 using the Cetus Bory system, will be the second on the estate to be blown up. The first, Northaird Point, attracted widespread publicity last November when demolition experts converted it to "the leaning tower of Hackney" in a failed attempt to bring it down.

The tenants at Highworth Point moved out last week. Fittings and asbestos will now have to be stripped from the building before September.

Book now for Siza lecture

PORTUGUESE architect Alvaro Siza will be giving a rare illustrated talk on his work at the Courtauld Institute, 20 Portman Square, London W1 next Thursday, June 19, at 7pm.

Free tickets should be reserved from the 9H Gallery on 01-486 3555 where an exhibition of Siza's projects continues until July 4th.

RIBA joins protest at Suffolk scheme

PLANS to build a 300-home holiday complex in Southwold on the Suffolk coast in direct contravention of existing structure plans have been greeted by "howls of protest from conservationists."

And the RIBA has threatened to ask the DoE to call the scheme in and hold a public inquiry. Local planning authority Waveney District Council favours the £20 million scheme because developers are putting up £3.5 million to restore the town's sailing harbour wall.

The council will be discussing the proposals at a public meeting next week.

District planning officer Laurence Monkhouse told BD: "This scheme is the only way forward". He admitted it would change the area, "but not necessarily for the worse".

He said that as the proposal contravened the Waveney district plan and the Suffolk county plan he would expect the DoE to examine it.

Broadwater Farm design team still to be recruited

HARINGEY council has been forced to readvertise for a 10-strong design team for the riot-torn Broadwater Farm after the first attempt at recruitment was deemed a failure.

The council said it was not happy with "the quality of applicants" who replied to advertisement in February.

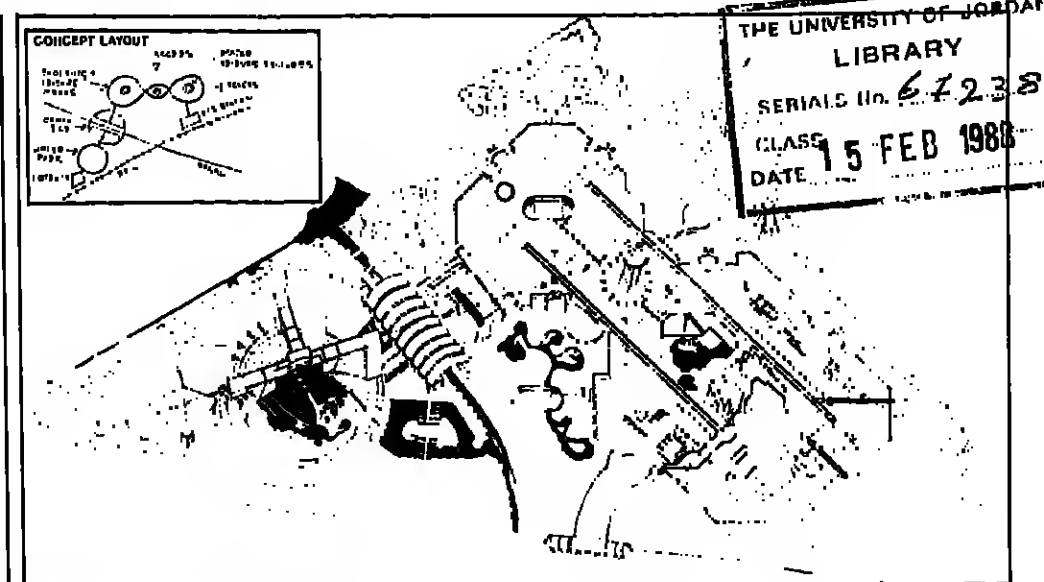
It said it was looking for architects who are "more sympathetic to the social make-up of the estate". Applications from black architects would be particularly welcome.

The team, which will include six architects and a clerk of works, an administrator and a surveyor, will be designing and

the council applied for an urban renewal application for £2 million for repairs across the borough and has received £1 million, which will be shared between Broadwater Farm and the nearby Tiverton estate that has similar problems.

The money is already earmarked for improvements to security, communal areas, alarms and lighting throughout the estate.

News



Aiming for a world beater

DEVELOPER Color and its architects, Percy Thomas Partnership, have issued drawings of the £500 million shopping and leisure centre proposed for Sandwell in the West Midlands (News May 9).

The massive scheme, which takes as its inspiration the Edmonton Mill development in Canada and would flow with that scheme in being the biggest shopping centre in the world, has the backing of Sandwell council.

The derelict 40ha steelworks site for the proposed scheme may still undergo open-cast coal mining, but Color

Properties proposes using the hole created to bridge its scheme over, with car parking below. The developer's director, architect Igor Kolodetschko, is confident of raising the funds required to build the scheme, and believes it should get planning permission without trouble.

Attractions in the scheme include a "crystal mountain", a tiered, glazed structure covering some of the activities, several water features, a cable car across the site, and canal links to Birmingham. Other consultants include Anthony Hunt Associates.

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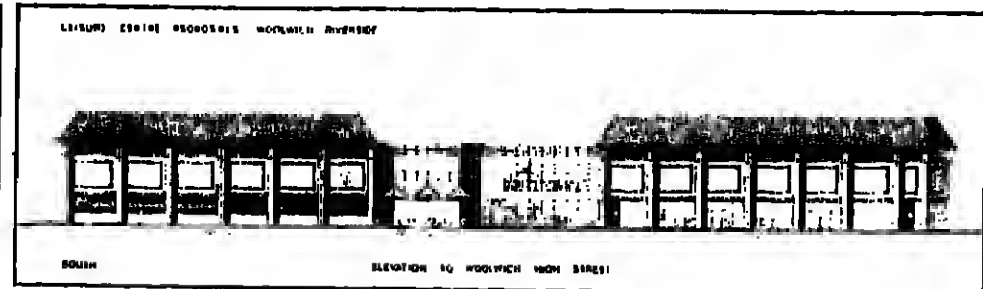
Merger's timing 'a fluke'

THE recently agreed merger of Nottingham University's school of Architecture and Institute of Planning should strengthen both — but its coinciding with the UGC reviews was unintentional, according to head of architecture Christopher Riley.

He said informal talks first took place more than two years ago, and were given added impetus by a joint initiative by the RIBA and Royal Town Planning Institute.

The UGC review of research performance at Nottingham (News last week) gave it the lower marks among architecture schools, along with Manchester.

The department of architecture and planning will formally come into existence in September and have 22 staff and at least 220 students, with another 60 students on years out.



Woolwich leisure centre scheme gets under way

Work started recently on a £7.5 million leisure centre in Woolwich, on the edge of the Thames in south-east London. Designed by Stuart Miller Associates, facilities at the 5,000sq m centre include four swimming pools, a sports hall and squash courts. Norwest Holst are carrying out the design and build contract. Work scheduled for completion in February 1988.

Sheltered housing experts call for design guidelines

A CALL for comprehensive design guidelines for private sheltered housing comes in a report just published by the National House Building Council.

This is the third major study of the retirement house market prepared for the NHBC's Housing Research Foundation by Dr Stephen Baker and Dr

Malcolm Parry of Surrey University. It indicates a rapid growth in the development of sheltered housing company. In the report they point to several design features in UK schemes that residents have complained about, including poor noise insulation, inadequate storage space, unsuitable heating

systems, bad positioning of windows and doors which are difficult to open. Dr Baker said: "Design becomes increasingly important as residents become older and more frail, but small units are often designed like starter homes. The Americans go to great lengths to get every aspect of design right, but here there is a tendency to simply copy existing schemes. Many flats, for example, have kitchens without windows, which really doesn't suit the elderly."

The report concludes that existing sheltered housing is primarily only suitable for the active elderly. The authors believe greater attention to design details could help to overcome this by making properties more appropriate even when people lose some of their independence. Housing for sale to the elderly (this report) is available from the Housing Research Foundation, 58 Portland Place, London, W1N 4BU. Price £15 plus £1 p&p.

Oxford's plan for promotion

PLANS for a new stadium, leisure and retail facilities: green belt land in north Oxford have been unveiled by the football club.

A 40ha site for the scheme has been selected, but when District Council has yet to receive a planning application. In-house architects: Oxford United's chair Robert Maxwell have won on plans, but a spokesman: they had only sketched a concept so far.

It would be quite some time before a planning application would be made or architect appointed, he added.

Saving energy

ARCHITECTS, builders, occupiers of super-insulated houses are being sought by International Solar Energy Society.

The society wants to hold a one-day meeting on super-insulated buildings in London April next year. Details in John Litter at the Polytech of Central London, 01-3863 text 345 or 433.

Blissful ignorance at the Commons

MOST people do not notice what buildings are made of or remember much more than their outlines, according to a report by Scott Brownrigg & Turner.

The architects commissioned a survey of 20 MPs and 200 members of the public to find out how much they remembered about Britain's most famous landmarks. It revealed that less than half knew what Big Ben was made of or the colour of its roof tiles.

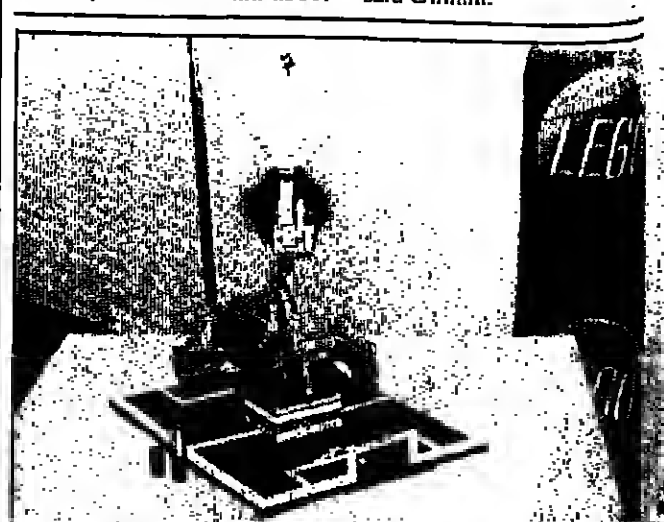
"Most people would recognise the silhouettes of buildings like St Paul's, Westminster Abbey, the Post Office Tower and the Houses of Parliament, but very few could talk about

colours and details like windows, doors, domes and spires," said Ken Gilman, chairman Scott Brownrigg & Turner.

The survey also found that people's answers were often expectations rather than observations.

Most assumed that the tower was red, black or even grey rather than blue-grey and a few, including one MP, thought the numerals on its clock were Arabic instead of Roman.

Two MPs with top marks were Lynda Chalker and Nicholas Fairbairn. "We do propose to identify the MPs who got some of the answers wrong," said Gilman.



Half close your eyes, and it becomes clear that the winning entry in this year's Building Centre Lego Competition is a seal balancing a football on its nose, while sitting on a football pitch. Newcastle architects Brown Smith Baker & Partners beat 11 other architect teams to win "The greatest show on the earth" circus final, judged

by strong-man Geoff Clapp. Their design, complete with ladders and rotating wheels, each of the four teams had a Harrods bumper. Manchester architect Steve Mills came second in the competition which was held at the Building Centre, West London. Manchester.

MPs attack prison programme

BRITISH prisons are poorly designed on unsuitable sites, say MPs.

A report by the Public Accounts Committee is highly critical in its assessment of the UK's prison building programme.

It says the Property Services Agency and the Home Office have failed to build "the type of prison most urgently required". Feedback between the PSA and prison users is inadequate, leading to ignorance of building defects in new prisons.

But all attempts to remedy design faults have been badly handled, says the report. The Home Office waits until the prisons are operational — which causes maximum disruption — instead of intervening at the construction stage.

Although there are difficulties assessing the size of the prison population, the Home Office objective to eliminate overcrowding by the end of the decade is in serious doubt, says the report.

Overseas practices

DETAILS of how architects practice overseas are available in a new publication from the Commonwealth Association of Architects.

Around 20 key areas of professional practice have been surveyed among the CAA's membership and in other countries, to compare the different codes.

Contributing institutes were asked to submit problems or matters of concern. These include political interference (Guyana), too many architects (West Germany, Sweden and others), lack of public appreciation (Denmark), and "unhealthy practices" (India).

The RIBA submitted professional liability as the UK's greatest problem—a common difficulty. The report is available from the CAA at the Building Centre, 26 Store Street, London WC1.

Cheltenham awards

CHELTENHAM is seeking nominations for its 1986 civic awards, intended to encourage excellence in restoration and new building design.

The buildings or environmental works must be within the borough of Cheltenham and must have been completed between January 1983 and December 1985. Nominations must reach the borough architect by July 31.

Planners attack DoE for calling in Southwark plan

PLANNERS have attacked the DoE for its handling of the controversial North Southwark local plan, and called for consistent city plans.

George McDonic, president of the Royal Town Planning Institute, has asked the environment secretary to explain the principles underlying his powers to call in local plans.

The North Southwark plan was the first of its kind to be rejected, and only the second local plan to be called in.

Environment secretary Kenneth Baker's decision in January

Legionnaire's report could mean big bill for hospitals

HEALTH authorities look set to face a multi-million pound bill following publication of the inquiry into the outbreak of Legionnaire's Disease at Stafford District General Hospital last year.

Already since the committee of inquiry's findings were issued last week the West Midlands Regional Health Authority has decided to replace all its water-cooled air-conditioning towers at a cost of more than £1.3 million.

The Government is now under pressure to pledge central funds to whatever costs are encountered in taking up the recommendations of the report, which supported earlier findings that cooling tower 4 was to blame in spreading the outbreak of the disease, which killed 28 people.

But health minister Barney Heyhoe has declined to respond to MPs' calls for central funding.

By Lewis Blackwell

instead saying that any further measures will depend on the outcome of a survey of the 400 water-cooled towers now in use at hospitals.

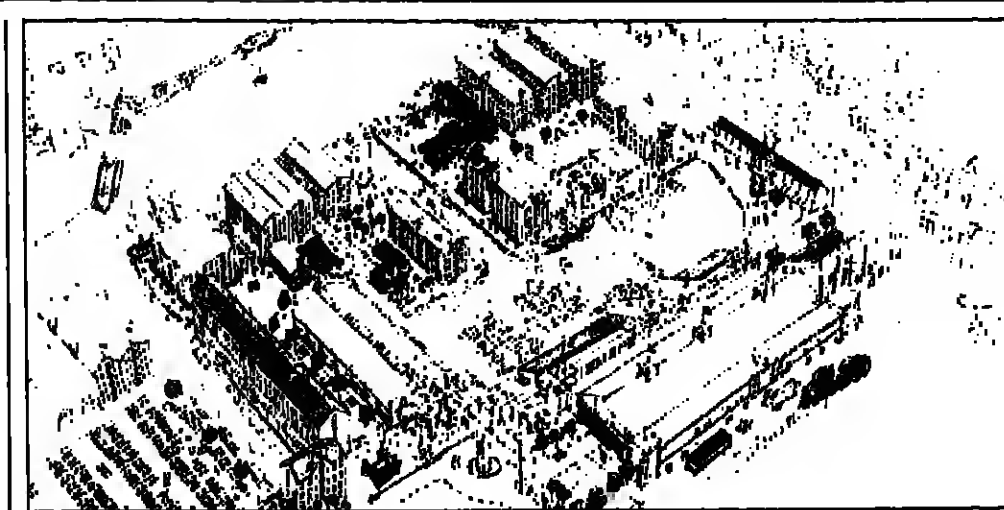
"We shall need to consider the details of the installations," Heyhoe told the House of Commons. He said the immediate priority was for health authorities to ensure the equipment was safely maintained.

The report of the committee, chaired by Sir John Badenoch, recommended that wet cooling tower systems should not in future be included in the design of hospitals and that the use of air-conditioning in hospitals should be scrutinised.

These recommendations came out of problems the inquiry revealed in the design, installation and management of the system at Stafford District General Hospital.

BDP were architects and engineers for the hospital, which was designed to the Barnes system from 1971 to 1976. The commitment to using the wet cooling system was made by early 1975. BDP said that at that stage it was the only type of cooling system available.

During construction between



Big splash in Gloucester

A £30 million development for Gloucester Docks, the city's inland harbour, has been unveiled by the British Waterways Board.

The architects, Dyer Associates, have managed to incorporate the 18th-century warehouse buildings into a scheme with three new inter-linked pavilions as its focal point.

Each pavilion will aim for a different sector of the retail market, while the ground floor of the existing warehouses will be converted into smaller shops, pubs and restaurants. They will be covered by a walkway running alongside the canal.

The scheme will also include a marina, leisure facilities, an hotel and a substantial amount of open space, allowing for a continuous programme of outdoor entertainment, similar to Covent Garden, which the developers — Pearce Developments — say is an essential ingredient for success.

Elsewhere in the docks, work is under way on the new National Waterways Museum and conversion of a former warehouse in canal offices.

The board hopes this latest boost to Gloucester's docks will become a major tourist attraction.

Modernists go on show

A NEW exhibition of Modernist drawings opened last weekend at the German Architecture Museum in Frankfurt.

"Visions of Modernism" features drawings and models by Richard Rogers, Norman Foster, Peter Wilson, Future Systems, Archigram, Cedric Price and Peter Cook. It runs until September 17.

The BS 747 Class 5 Amendment. If only they'd taken a leaf out of our book.

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- iv) Only virgin fibre specially formulated for purpose shall be used — no waste or off-specification textile fibres will be incorporated and no binder excess will be tolerated.
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News

Lambeth moves to derail Waterloo links with Chunnel

Marina design poser

ARCHITECTS and planners Module 2 could be frozen out of plans to complete Brighton Marina (above) after designing the master plan for the £200 million scheme.

Developer Brent Walker revealed this after announcing that it had teamed up with Barratt to build more than 700 houses on the site. A spokeswoman for Brent Walker told BD that no decision had yet been made on who should get the design contracts for the leisure centre, hotel and supermarket complex. But it would not automatically be Module 2, she said.

Brent Walker chairman George Walker revealed that more joint projects with Barratt were to come. The volume housebuilder is due to get the contract to build 2,500 houses on a

projected 300m island over the site of

Southend.

The scheme already has outline planning permission from the local authority but the proposal, which involves creating a massive offshore land mass, has to get government permission before it goes ahead.

Brent Walker is confident of starting on site by the end of 1987. Barratt's share of the Brighton Marina project will be worth £100 million, bringing the total cost of the complex up to £200 million. The Brighton Marina project was first

launched in 1963, and was then estimated to cost £9 million.

Consultant architects for the 100 houses and 650 flats, to be built using existing planning permission, are

Mason Richards Partnership.

COMMUNITY groups and Lambeth council are joining forces in a new Coln Street-style battle, this time over the Channel Tunnel's effects on central London.

British Rail plans to make Waterloo Station the sole London terminal for the Channel Tunnel passenger train has provoked Lambeth council to seek "a legal loophole" to wreck them.

The Channel Tunnel Bill — which is now working its way through Parliament — named Waterloo because British Rail said it offered the best commercial value.

It said only Waterloo could house the 400m-long platforms, and had the sufficient capacity on the approach lines for the proposed services.

By Amanda Bailleur

BR's scheme includes four extra platforms, an international parcels office, customs control and extra shops. Because it would be contained within the confines of the present station, BR would not need to seek planning permission from Lambeth council.

But Lambeth claims the proposals are a "deliberate attempt

to sidestep local planning procedures" and has called a special council meeting this week to organise a petition to Parliament recommending that Waterloo be dropped.

Planning chair Bob Colnutt said such a major development — which would bring an estimated 10 million extra passengers a year through Waterloo — would have a disastrous effect on local land values, on traffic congestion, and on the character of the area.

The Association of Waterloo Groups says BR has not carried out adequate research into the effects of the terminal, and is calling for a full public inquiry.

"There has been no consultation by BR, so it is rather a joke they are now holding public meetings to tell us what they intend to do," said a spokesman for the group.

British Rail will also be building an international passenger station at Ashford in Kent, 15 miles from Folkestone — the closest port to the tunnel. And Eurotunnel, the partnership of the Channel Tunnel Group, will build an inland clearance depot for freight lorries.

After approaches from Ashford council, Consortium Developments — the housebuilder behind Tillinghams Hall — has been drawing up plans for a new town south of Ashford.

Council planners say that since the tunnel plans were announced there has been a sharp increase in land and property values, and a marked increase in planning applications from would-be developers.

A new business park being built by the council — near the proposed inland clearance depot — would end up at the site because of the enormous interest in the area, a council spokesman said.

Building 'introvert' attacked

PROFESSIONAL separate is one of the key areas of the building and management public property stock. A Commission controller I Banham told a conference RHA this week.

He said multi-disciplinary teams were a key contributor to the improvement of public services, according to the findings of the Audit Commission recently in the report on an oversupply of buildings education service.

The conference on architecture and property management heard Banham for more authorities to coordinate their professional into single estates departments.

From this, councils could set up local or project teams to ensure the understanding of the particular job.

Banham stressed the need for energy-efficient and flexible design, along with ease of maintenance, as buildings public estate could find social changes led relatively to changes of use buildings.

"The new era requires an assertive style" to end "the verted and reactive" professions and to encourage project managers to work between professions, departments and authorities, and the private sector and the public sector.

Thorpe Park is off the A320 between Staines and Chertsey. The cost of central government architects for the year 1986-87 is estimated at £23 million. Replying to a question in Parliament, civil service minister Richard Luce said the estimated cost of planners for the same period was £4 million.

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Cambridge overspill in prospect

CAMBRIDGESHIRE County Council is considering a new town for 15,000 and a new village for 7,500 as a way of fending off the overdevelopment of Cambridge itself.

The settlement, which are likely to be included in the forthcoming revision of the county structure plan, could be built on the A10 north of Cambridge or on the A604 in the direction of Huntingdon.

They would include employment and shopping as well as homes. They would not necessarily be fully developed before 2001, the end of the structure plan period.

Floating concrete

THORPE Park in Surrey is the venue for the most unlikely sporting event of the season: the annual concrete canoe races.

Organised by the Concrete Society, the races will take place on Saturday and Sunday, June 21 and 22, and will include 150 competitors in 48 canoes.

Competitors must build a lightweight two-man canoe which will stay afloat long enough to win a race. They include students and teams from companies.

Thorpe Park is off the A320 between Staines and Chertsey.

Cheap at the price

THE cost of central government architects for the year 1986-87 is estimated at £23 million. Replying to a question in Parliament, civil service minister Richard Luce said the estimated cost of planners for the same period was £4 million.

Fiver a week bargain in Welsh 'save it' homes

A PAIR of "low-energy" four-bedroomed houses built for the South Wales Electricity Board in Caerphilly is designed to reduce heating and hot water bills to about £5 in an average week.

The houses, built by architect Kenneth Lloyd and local builder Baralight, incorporate technical developments pioneered at the Electricity Council's research centre in Chester.

Martian venue stays human...

A COMMON famous as the point of arrival for a group of fictional Martians has been off a more mundane invasion.

Benconce Estates planned to develop 1,733sq m of hi-tech offices on part of Horsell Common, Woking, the setting for the Martian invasion in HG Wells' *War of the Worlds*.

A public inquiry in January saw the scheme opposed by the Open Spaces Society, the Horsell Common Preservation Society and local residents.

The inspector's report concluded that the development should be rejected because of its "significant adverse effect" on the neighbourhood.

This view has been upheld by the environment secretary.



Health authority resists brick cladding pressure

DEMANDS that an extension to Milton Keynes' system-built hospital be clad in traditional materials have provoked controversy.

Oxfordshire Regional Health Authority intends to build a £10.6 million extension to the hospital, continuing the existing grey profile-sheet exterior which is part of the county's widely-used hospital building system.

As a public authority, the RHA does not have to submit

Architect Vic Berry of the RHA said: "These kind of issues are very subjective to lay people. We built the first phase and phase two is a continuous development of that."

"If the money had been available then we would have built the whole of the first phase then. It's a direct extension, some of the wards link through. We cannot see any justification in aesthetic or planning considerations for changing it."

The scheme will now go ahead, although local newspapers report the beginning of a campaign against it.

Columns for Chelsea

Peter Barrett of Barrett Lloyd Dicks designed this 80sq m office as a pilot scheme.

The office, for developer Harvey White Properties, is in Kimbolton Row, Chelsea. It boasts a columnated portico entrance, a rusticated palladian facade, and painted, pink and yellow, external walls.

Kimbolton Lodge, as it is to be known, occupies a site at the rear of a one-time "country house", now replaced by flats. It took four months to build and was completed in January, at a cost of £50,000.

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NEWS

Truline introduce a brilliant idea that leaves tash nailing for dead

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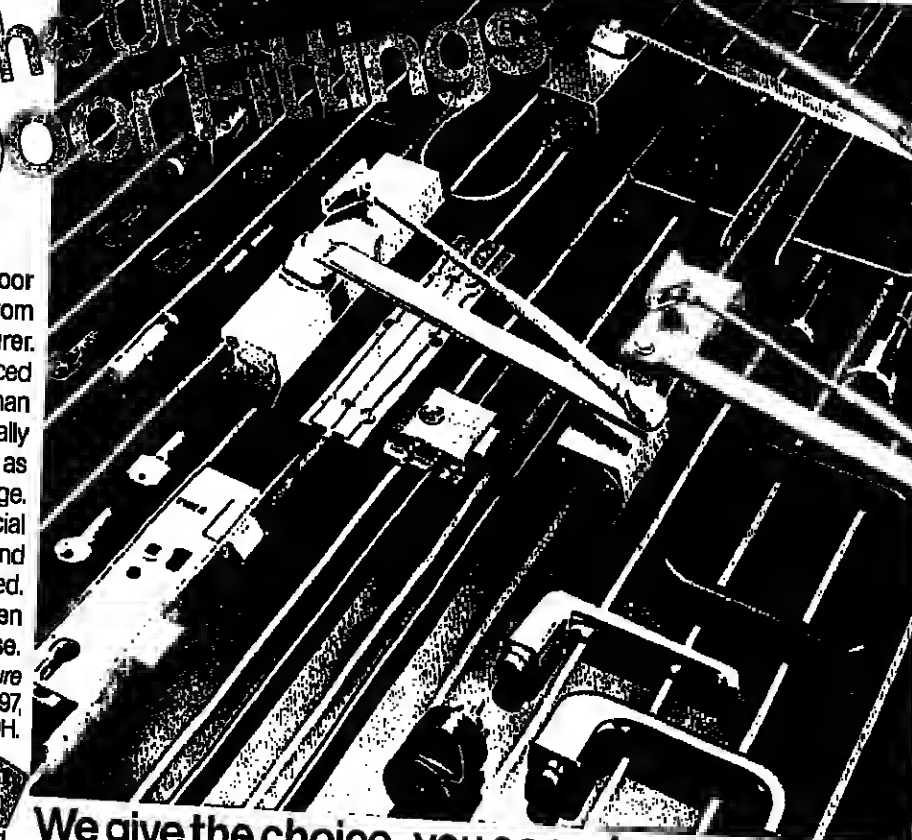
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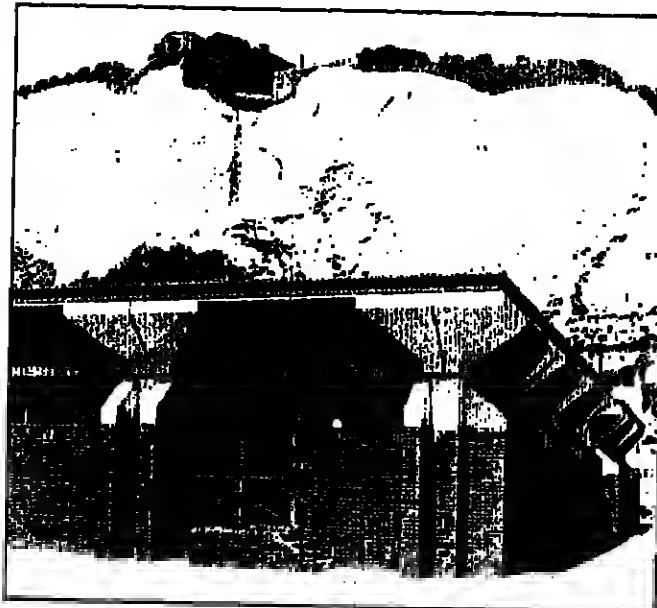


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News in pictures

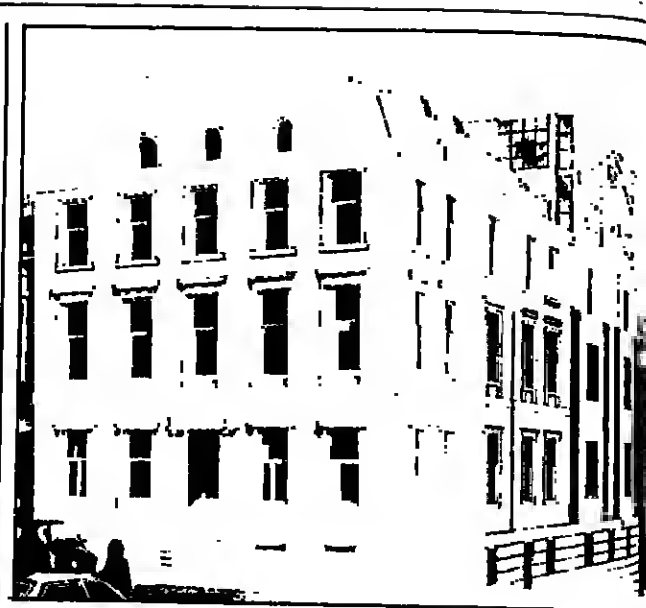
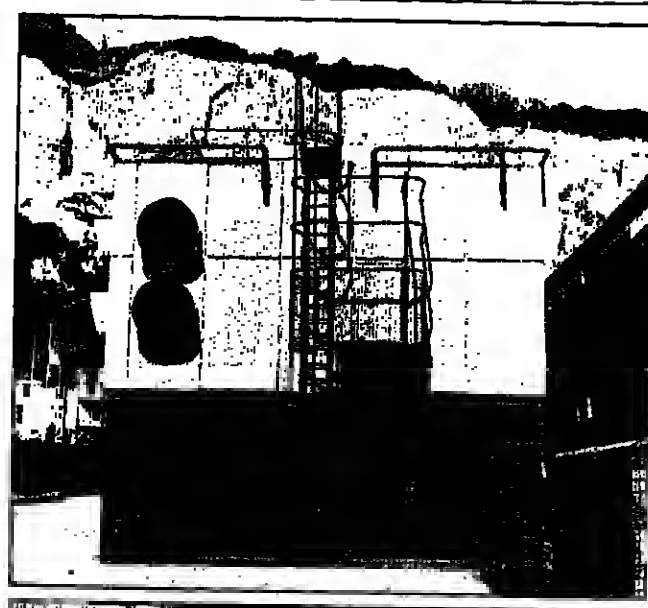


Star treatment

Above, above right and right: Hungry trucks can now tuck into a wide range of meals at this new 24-hour restaurant at Dover's Eastern Docks. The port's £75 million redevelopment plans include this £1.3 million Wheelhouse complex — waitress service restaurant, TV lounge, toilets and showers and shopping facilities — within the import freight area.

Architects Dudley Marsili, Son & Partners of Dover designed the club, which is open seven days a week. Computerised TV monitors tell drivers when their vehicles have been given customs clearance.

Other projects underway at the docks include a new sophisticated computerised clearance system, a £4.7 million outward dock and the enlargement of Number 3 berth to accommodate jumbo ferries.



Contrasting faces

The Boys Jarvis Partnership aims to reflect the line, symmetry and detail of the original Bath Hotel in this seven-storey 2,160sq m office block for Faldo & Scotland in Glasgow.

The rear extension, however, with its post-modern trimmings, is in stark contrast to the Victorianism of the frontage.

The office will be completed on completion by Glasgow solicitor MacRoberts, for whom it was purpose-designed.

The £1.75m building will be handed over in late September.



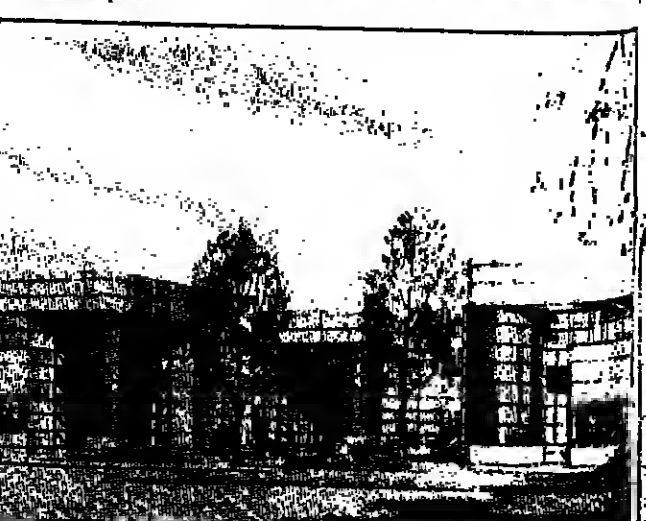
Horse hospital

Devereux & Partners' new equine surgical wing at the Royal Veterinary College, Hatfield, has been officially opened by Princess Anne.

The wing is to be named after Seltion, the horse injured in the 1982 Hyde Park bombing, who was present at the opening.

The design marks the latest stage in a 30-year association between the practice and the college. A steel-frame roof links on to the existing building. Finishes have been kept simple throughout. The surgical unit includes rubber-walled and floored recovery rooms where the horses come round from anaesthetic.

The hospital caters for horses referred by veterinary surgeons without facilities to operate.



Cantab complex

Work recently started on this £1.2 million bi-techno estate in King's Hedges, Cambridge.

Designed by Barber, Casanovas, Roffes the 2,500sq m complex will provide up to 100 units in three two-storey buildings.

Building contractors are Johnson & Bailey and structural engineers are Arup & Partners. The building is scheduled for completion by the end of 1987.

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London hosts land congress

SPEAKERS from more than 20 countries, including Britain, will be taking part in the World Congress on Land Policy to be held in London in July.

Emphasis will be placed on specific case histories and land policy solutions.

Subjects under discussion include historic conservation with speakers from the chief architects department, Prague, and the Institut de Architecture de Venezia, Venice; recent innovation in port development including work in London's Docklands; and urban revitalisation projects with a talk by architect Eduard Rossell from Barcelona's local authority.

The congress has been sponsored by the Lincoln Institute of Land Policy, the International Centre for Land Policy Studies and the Urban Land Institute — all from the United States.

A promised highlight of the congress will be a 30-minute presentation of Walt Disney's new Florida theme park, for which an entire stage has had to be constructed to accommodate 18 slide projectors.

It is possible to register for individual days as well as the whole congress.

The congress will be held at the London Hilton from July 6 to 11. For further details contact Sue Nickson, Royal Institution of Chartered Surveyors, 01-222 7000.

Post-war analysis

THE next exhibition at the RIBA's Heinz Gallery concentrates on drawings and photographs of buildings dating from the 25 years immediately after the Second World War.

The selection, made by architect James Dunnett with photographic help from Dennis Gilbert, concentrates on central London and the work of commercial practices in rebuilding the inner city.

Erno Goldfinger and Richard Siefert are among the architects featured.

Planners hit back in education battle

PLANNERS have fired a broadside at Government plans to cut planning education.

In sharp contrast to the RIBA's approach during the cuts crisis, the Royal Town Planning Institute appears to have gone on the offensive in a special supplement in its journal, *The Planner*.

The planning schools claim to show that they have "won the numbers argument over supply and demand for trained planners".

Projections of these figures "give no support to the continuing rationalisation of courses which seem to be the outcome favoured by the responsible bodies".

RTPI education board chairman Mike Gibson points out that closures already implemented will suppress the output of new planners to under 400 a year by 1988, which will mean demand outstripping supply.

"There is clearly no case for further course closures on manpower planning grounds, as the claims of an overproduction of planners simply do not stand up to critical analysis," says Gibson, head of town planning at South

School plans breakaway from visiting board system

NORTH-East London Polytechnic school of architecture is planning to reject the RIBA visiting board system of school approval.

This breakaway move is in reaction to the institute's continued failure to defend the school, which still awaits the education secretary's approval for this autumn's intake.

Nathan Silver, school head, said this week: "We cannot really have any other position now other than to reject the

By Lewis Blackwell

RIBA. The visiting board has betrayed us, their refusal to speak out on behalf of the school has blighted it, so we are not going to give them the ammunition a second time."

The school comes up for another RIBA board visit in two years, but Silver said by that time the plan would be to find an alternative source of accreditation.

The RIBA board carries out the inspections on behalf of Aruk. Silver said it might mean asking for Aruk's direct approval of the school, or alternatively looking for recognition from the Council for National Academic Awards, or even the new Standing Committee of Heads of Schools of Architecture.

He stressed the plan, which is still in its early stages and would require the polytechnic's approval, was "not inspired by malice, but the only course we can now take as the RIBA has failed to support us".

The institute's failure to

News

Key to a loch design

The glazing panels on John Prynne's water sports tower (right) cover almost two-thirds of the building's structure.

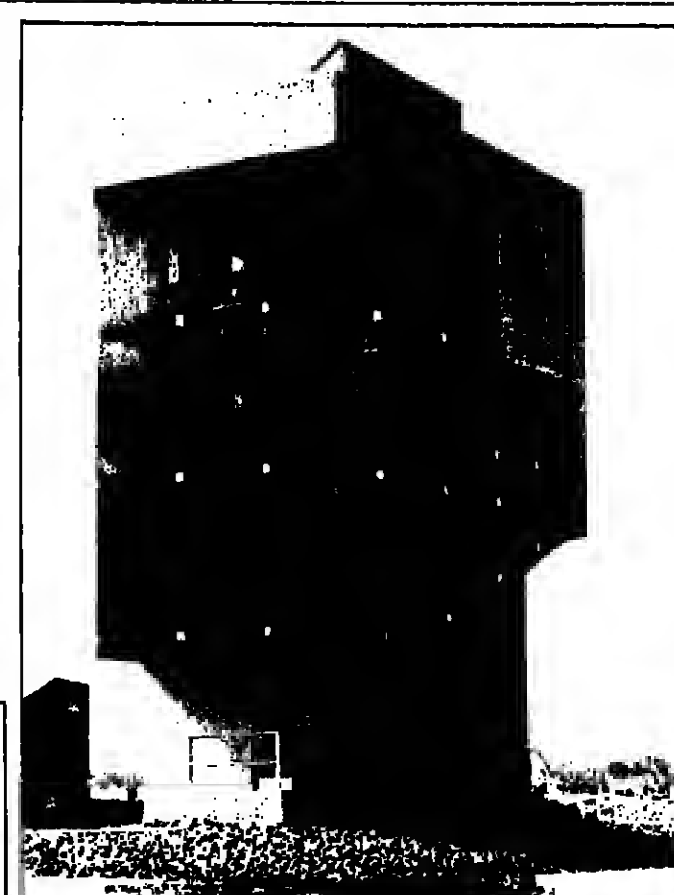
Prynne, a member of Strathclyde Region architects department, designed the tower to stand alongside an artificial loch at Strathclyde Park, near Motherwell, which will host the rowing events in the 1986 Commonwealth Games.

The tower houses all the personnel and equipment needed to provide judging, timekeeping and commentary facilities for the events. It allows unimpeded vision of the crossing line for four judges and nine timekeepers.

Fitting the glass proved tricky because mechanical masonry was ruled out. The entire 180 sq m of glazing had to be manoeuvred by block and tackle. It is two separate Pilkington Glass suspended assemblies in 12mm Armourplate Antisun Bronze.

Barber back

SIR Derek Barber has been reappointed as chairman of the Countryside Commission for another three years, the DoE said this week. He has held the post since 1981.



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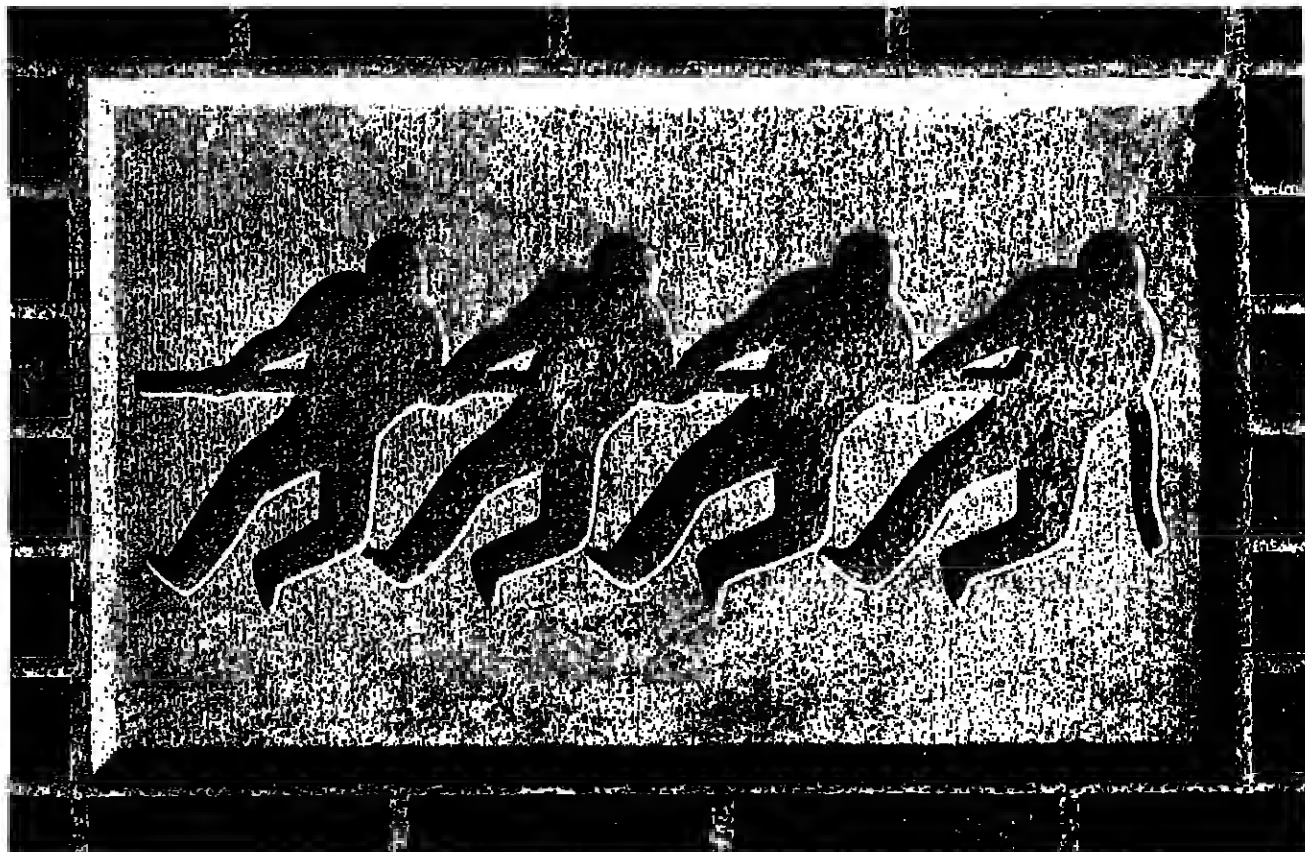
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Straightforward housing issue

From David Hall, director, Town & Country Planning Association

AUBREY Calderwood's letter about the Divis Flats complex (May 30) in concentrating on the political aspects of the controversy, ignores the real issue so far as the Town & Country Planning Association is concerned. Simply, this is that no one should be obliged to live in the deplorable conditions that exist in the Divis complex. Calderwood refers to the residents "perhaps legitimate case for better housing", but in the TCPA's view there is no "perhaps" about it. It is a straightforward issue of housing that was so badly designed in the first place and has been so gravely neglected and badly maintained by the public authorities ever since, that the people should be rehoused in accordance with their wishes. The issue is therefore one of housing policy and neighbourhood planning and design.

We are frankly dismayed at the attitude of the DOE Northern Ireland and the Northern Ireland Housing Executive in their continuing reluctance either to produce a detailed refutation of the criticisms of the Divis estate, which were contained in our policy statement last November, or to meet us and the residents to discuss the improvements that could be made.

It is beside the point for Calderwood to say that the Divis problems are shared by "numerous other system-built estates in the rest of the UK". In fact we doubt if any are as bad, but if they are then the relevant authorities are equally culpable. In spite of the intransigence of

the public authorities in Northern Ireland in this matter, however, the association is nevertheless proceeding with the commitment it made to the Divis residents last November, namely assisting them in the preparation of an alternative plan for the estate which we propose to put forward for wider public discussion among the whole community and with the Housing Executive.

Preliminary work has already been done and we are confident that an attractive residential area could be created to replace the Divis flats in such a way that meets all the residents' wishes and places no undue strain on demand for housing in the rest of the Housing Executive's housing stock.

David Hall
London SW1

Divis beset by prejudice

From Mike Beazley
ALEX McGregor's letter of May 16 is typical of the misunderstanding and prejudice that has beset the Divis people. I was a member of the TCPA's Planning Aid Unit that visited Divis in the summer of 1985. I was appalled at the living conditions that fellow human beings are having to endure. It is an act of gross irresponsibility to deflect attention away from the main object of the campaign — the demolition of the Divis complex and its replacement with decent housing.

The letter is clearly a personal attack against Brian Anson; something I know he has endured for many years in certain circles but something that is so wrong and unjust. He shows tremendous courage and determination in standing up for what he believes in — human, social and environmental justice.

Finally, I was "much struck" by McGregor's references to Gerry Adams, Arthur Scargill and the Payment of Debt Act. There is no disguising his politics. Mike Beazley
Birmingham

Architect's eye view

From Brian Anson
WITH regard to Aubrey Calderwood's letter, I leave it to the discerning readers to judge just who is bringing "politics" into the Divis debate — I, through my article, or the critical respondents to date.

Like Alex McGregor before him, Calderwood makes no real comment on the actual social and physical environment of the complex. This is what concerns me as an architect and planner and whether some people like it or not, the conflict in Belfast is an integral part of that environment.

Divis is as I described it in my article: those who want to check the veracity of my account should simply go and see it. I certainly have no intention of being drawn into an argument with those who seem only to want to compete for the record of how many times "the IRA" can be mentioned in a single letter.

Brian Anson
Surrey

Ritual dance of school cuts

From Keith Dyer
YOUR anonymous lecturer (June 6) opened his critique on the latest CNA report on architectural education with the comment that the schools outside the universities were "fatuously" called the public sector by some.

In fact your author is the one making the fatuous remark, since he clearly is not aware that the universities are not considered part of the public sector, and university staffs are not counted as public sector employees for statistical purposes. (The universities are private corporations under Royal Charter). Thus the universities are private institutions (though in receipt of massive amounts of public money), rather like the old direct grant schools, and the polytechnics correspond to the maintained sector. Oxford and Cambridge would correspond to public schools in this analogy. Thus "public sector" is a perfectly apposite categorisation.

Having said all that, does it matter? Not a lot. It is perfectly clear from your front page story (June 6) that more cuts are on

the way, and this ritual dance will be repeated up to 1991. What we are observing is the Robbins expansion of the 60s being put into reverse as the system is contracted to meet the shortfall in student numbers at the end of the century. The present round of cuts is just the opening shots, and reports such as the CNA's one just released are just one element in harassing staffs in schools until they don't know whether they are coming or going.

The example of the arts schools is there to see: cuts, closures, cancellations of courses, mergers, threatened redundancies, reduced student quotas, reduced funding, adverse reports on curriculum/student performance, and so on. At the end of the day the staff are so shell-shocked that they agree to anything simply to end the agony of suspense.

Since the RIBA does not put a penny into the funding of the schools it follows that its influence is peripheral. Those who pay the piper will call the tune; the RIBA may propose, the paymasters will dispose.

In view of the RIBA's relative impotence, about the most useful thing it could do is engage Bob Geldof to deliver a singing telegram to the private residences of Sir Peter Swinnerton Dyer and the chairman of the CNA Committee on the Built Environment (a spec builder) with the message — off!

Keith Dyer
London SW19

Delicious designs

From Sir Philip Powell
SCORPIO'S semi-cheerful piece (May 23) on The Queen Elizabeth II Conference Centre turns a little sour when it fears that "the dread hand of PSA" apparently in some of the interiors, and indeed such basic elements as catering.

On catering, the choice of Prue Leith as the centre's concessionaire is scarcely the work of a dread hand and, if Scorpio believes that such a hand is on some of the interiors, it is that of Powell Moya & Partners, Crown Suppliers and our client, the PSA, working together in close and amiable partnership.

But I am confident and conceited enough to believe that the interiors are, like Prue Leith's food, delicious. This taste appears to be shared by a

comfortable majority of those who have seen the inside of the building. They may suspect that the client must have been an enlightened patron. They would be right.

Philip Powell
London SW1

Jumbled slur and slander

From John McKean
HAVING to write a leader every week may not be easy, and the results inevitably uneven. But I must protest strongly at an unthinking slur at the end of "Between two stools" (May 31). A rather jumbled argument at its best, you tossed off a gratuitous slander at Sir Tyrone Guthrie.

A pointless comment, a propos of nothing, though sounding clever, its careless nastiness does you no credit.

John McKean
London N7

A lapse of memory on my part. I should have read Donald Wolff!

New light on flat roofs

From Peter Falconer
IT was interesting to read John E Medlock's letter (May 23) in regard to flats that have a trouble-free life of over 10 years, while so many fail after less.

In 1938 the new wood boarded flat roofed vestries at Nailsworth Church were covered with three layers of normal pre-war felt, finished with a layer of asbestos tiles laid in bitumen.

These roofs have given no trouble and when the vestries were extended in 1979 were found to be in prime condition, so will probably last another 40 years without attention.

Church tower roofs of similar construction made in the 1950s have proved equally satisfactory.

Will the building industry never learn that the rays of the sun are the chief enemies of roofing felts and asphalt?

Peter Falconer
Stroud
Glos

Mandarins take strain

From Neill Kennerly
IT may interest BD readers to

learn that, following my article on listed building administration (March 7) the DOE Northern Ireland has allocated an officer in its central management branch, through which my future communications are to be routed.

This special service purpose to be for my benefit and has been "established to be helpful" to me. In future all my communications with the department "on my own behalf for my clients", are to be "properly progressed and recorded", as be "fairly and properly served", and responded to with a minimum of delay or misunderstanding arising from separate contacts with a number of officials.

At first I suspected that the true reason for introducing the procedure was in order to process all communications between my department and myself. However, I have been assured by departmental spokesmen that this is not the case and that the service is solely for the benefit of my clients and myself. Apparently this special "helpful" treatment is not to be afforded to other architects and so it would seem that I am now able to provide a unique, more effective, more efficient and more service than can my professional colleagues and competitors.

An unfavourable aspect of the scheme is that the permanent secretary has instructed his central management branch officer not to answer any repetitive enquiries. Of course however, this special and unique service should ensure and prompt, full and accurate answers that repetitive enquiries will not be necessary.

The large volume of my unanswered applications and communications to the department will guarantee that the newly appointed officer has full-time employment for a long time.

I wonder how many other architects in the United Kingdom have the benefit of being allocated a special civil servant to deal with all his or her communications with the DOE. I am sure all RIBA members could benefit greatly from similar arrangements being applied throughout the country.

Apart from speeding up planning and listed building consent procedures, a universal utilisation of the scheme would reduce unemployment, especially if it was introduced on a one-to-one, civil servant to architect basis.

Neill Kennerly
Donaghadee
Co Down

Nuclear apathy?

From Philip Mann, Bristol
Nuclear Weapons Freeze Group
PERHAPS the British, whom Colin Croft accuses of apathy towards nuclear shelters (News May 30), are not just apathetic. It may be that they would prefer not to be among the survivors of a nuclear attack, or had they got it all wrong in "The Day After"?

He is probably right though. The public is apathetic when anything nuclear is concerned, but surely they should be persuaded to campaign against the production, testing or deployment of nuclear weapons instead of building shelters for the fortunate few.

Philip Mann
Bristol

Educating to suit practice

From Thomas Hughes
I NOTED with interest Jacob Blacker's letter "Educating to suit practice" (May 30).

As a chartered quantity surveyor I am a little surprised that many of the proposals contained in his letter are not already included in the existing degree courses in architecture. Blacker advocates that "the RIBA must act quickly to protect the practices and must approach Government for an increase in expenditure to cover these much needed and increased skills". I would suggest that governments, irrespective of political persuasion, should not use public money to protect practices which have, through their own neglect, become outdated.

Inter-professional rivalries do untold damage to the professions involved and also are unlikely to persuade a government, which up until now has adopted a very parsimonious approach towards higher education, to invest more money in architectural education.

One of the major problems of undergraduate education for the design team is the isolation of staff and students, many of whom never meet their professional counterparts until after they have left university or college.

If an approach is to be made to the Government, then perhaps it should be a joint approach based on developing an integrated degree course provision for the design team. This would be possible if academic institutions were encouraged to develop "facilities of the built environment" containing schools of architecture, civil engineering, general practice surveying and quantity surveying.

Such facilities, particularly if established within the university sector, would have a strong integrated academic and professional base, attract both high calibre students and the necessary funding to underpin research.

Until architectural education recognises that architects need not necessarily be educated in isolation then the architect's traditional role as leader of the design team is likely to further decline.

Thomas Hughes
Finty
Glasgow

The architect as wimp

From David Partridge
I READ with some interest your paragraph regarding Channel 4's soap opera "Brookside" (May 16).

What a pity that the character portrayed is a total wimp. While, like most architects, he is kind, sensitive and enjoys

cooking, it is rather unfortunate that he sports glasses as thick as bottle bottoms and gets beaten up by macho accountants. He was also heard to say that what he needed most was a husband and not a wife and his greatest artistic ambition seems to be to design a garage for his neighbour. Presumably, it will blend in with the already notable architecture on the close.

No wonder architects have such a bad image. David Partridge
London W4

Advising on applications

From Barry Russell, Portsmouth
Polytechnic school of architecture

THE letter from Kit Evans of BDP (May 9) is valuable in drawing to the attention of students the importance of a well-prepared job application.

I was especially pleased to see his views, since they coincided exactly with those I had put to third-year students in a "job application" seminar at Portsmouth two weeks before and where I showed examples drawing attention to the importance of integrating examples of relevant work.

The most dramatic example of the effort of taking trouble to design a job application was that of a student I gave advice to some years back who was telephoned by an office from Norway and offered the job on the phone!

Evans asks teachers "to give more advice on this sort of thing". Giving it and taking it are two different things, but at Portsmouth at least he may be pleased to know that we have been giving it for some time. Not only that, but I have put the letter on the notice board. Some students, not being "specifying professionals", do not receive BDP.

Barry Russell
Portsmouth

Rough cobbles

From Bob Smyth
THE SAGS cartoon (June 6) is disconcertingly accurate as usual. But it isn't just planners who, as shown in the Mansion House skit, sometimes favour ghastly cobbles-togethers.

In 1979 R&JM unveiled their model of the proposed multi-million pound new town hall for Southwark. "My God, what a that?" I asked, pointing to a three-storey column of gothic stucco interrupting the 1/2-mile facade of steel and glass fronting Peckham High Street.

"Ah," said the job architect proudly. "We thought we'd keep that bit to add some character. It provides such a good focus to the vista from Rye Lane." Quite.

Bob Smyth
London SE15

Bradman thwarted

From William Bertram
ON page 4 (June 6) there is a note headed "Bradman thwarted".

First of all, the name of the architect is William Bertram & Fell — not Tell.

Please note, Sir Basil Spence is dead and would find it difficult, from his grave, to mount the opposition that Mr Blew has orchestrated in his absence.

Godfrey Bradman is building a 22-room house, not demolishing one.

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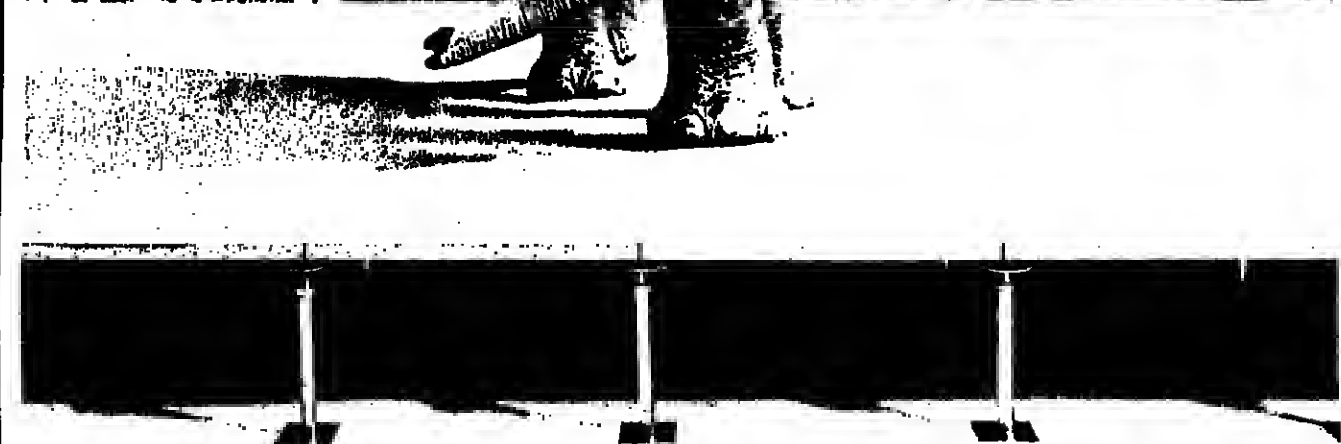
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London EC4A 3DF

BUILDING DESIGN
Building Design is published twice weekly (Monday & Tuesday) by W & A Gilbey Ltd, 15 Abchurch Lane, London EC4A 3DF. Tel: 0204 616 777. ISSN 0007-1226

The Editor's Comment



But what is to compel anyone to pay any of his attention? Will doing good by stealth eventually reap its own rewards? Dennis Neale would like to think so. But here we (or rather I) come to the other founder members of the epd group — Arcuk. Arcuk does, of course, have responsibilities for architectural education and standards; and unlike the RIBA, would not necessarily be subject to the same pressures were it to insist on epd being a requirement for a continuing "licence to practise". In the form of the ability to call oneself an architect, what an interesting idea it would be to let Arcuk emerge chrysalis-like from its Hallam Street cocoon, and take a decisive lead in encouraging the best professional standards from architects throughout their working lives.



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Perspective

Defeating the axis powers

THE completion of the new library and music building at Clare College in Cambridge seems certain to rekindle the debate that preceded its construction.

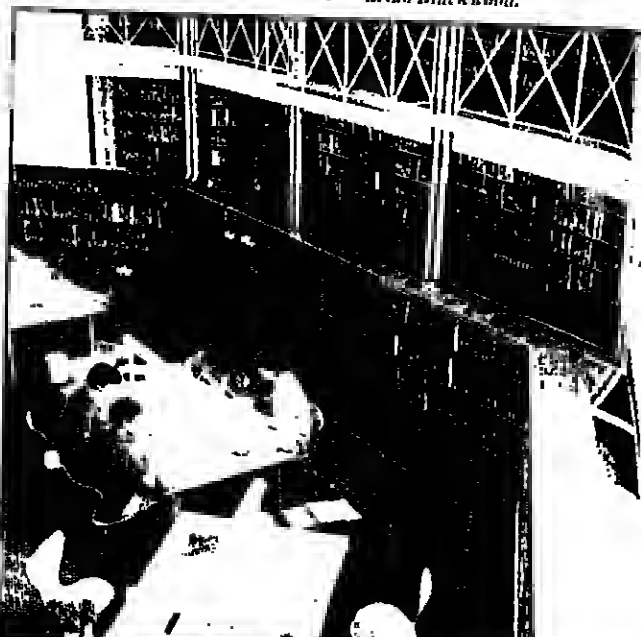
The main point of contention was always that the new block was sited directly on the principal axis of Giles Gilbert Scott's university library, which was accentuated by its distinctive tower.

Cambridge City Council initially opposed the scheme, but the environment secretary considered that a local decision should be reached. The Historic Buildings Council, the Victorian Society and the Thirties Society were among the pressure groups to call for a public inquiry, but support was given by the Royal Fine Art Commission. Eventually the project, designed by Clare graduate and RFAC member Sir Philip Dow-



Glazed bay with window seal on the upper gallery.

son of Arup Associates, was given approval. Externally the project is a complex response to the building it directly addresses. The west facade with the main entrance has a colonnade running full width, its overall composition reminiscent of the entrance from that was added to Brunelleschi's Pazzi Chapel. The rest of the building is more complex and articulated, reflecting the shape of the main library volume within, and decorated with pared down classical decoration in brick and stone coursing and parapets. Large window bays allow a considerable amount of daylight into the building and indicate a grand order without taking up too much valuable



Banqueases and balustrading define the central reading area.

Scorpio

Architecture low in 'quality of life' poll

GOVERNMENT and administration just saved architecture and planning from coming bottom in a recent poll of public opinion about the quality of different aspects of life in Britain today.

A Mori survey conducted for the *Illustrated London News* found that the highest rating was for our performance in science and technology ("good" at 76 per cent), and health care ("good" at 70 per cent), while government and administration rated only 30 per cent on the "good" scale and 50 per cent on the "poor" scale.

Architecture and planning mustered a 36 per cent "good" rating, although it is not known how many members of the professions helped to boost its performance by being canvassed.

Since science and technology did so well, I wonder if this has any significance for hi-tech architecture such as the new Lloyd's building? An opportunity for another test of opinion, perhaps, to see how Joe Public's taste is keeping up.

To keep an appointment in the slightly less glamorous London Borough of Lambeth, an RIBA mole informs me. There was a photo-call yesterday (Thursday) at the Newquay House, Kennington project for the Duchy of Cornwall, which the RIBA is administering, and Rolland wanted to ensure that his role was properly acknowledged by appearing in the front cover picture of the glossy report which the institute is preparing. The institute is hoping for an extension to the Clients Advisory Service to include community architects — the ones it favours, that is — so that commissions can be doled out as a reward for not rocking the boat.

AS Big Bang lever hits the City of London, melting the present building boom, I hope adequate provision will be made for all the complexities of hi-tech communications which need to be installed.

Specifications for under-floor ducting rise by the month, so that the Broadgate scheme by Stuart Lipton and Arup Associates generally provides 200mm (1300mm for the trailing floors) while 200-500mm is now the norm. Blue Circle's new hq at Aldermaston, designed by D Y Davies, has one-metre voids in anticipation of technology to come.

But the selection board was clearly deeply impressed with the candidate, as they apparently even switched the job title from full to visiting professor to secure Ian's acceptance of the post. Such a pity that Sir Clive Sinclair (his brother) felt unable to continue on the board.

Absent friends to greet HRH

CURIOSLY Fred Lloyd Roche, chairman of the RIBA's inner city committee, will not be in the line-up to greet the Prince of Wales at Portland Place this afternoon despite the supposed royal patronage of his commission.

Perhaps he's too busy with his multifarious other activities — or perhaps, as I reported four months' ago, the Prince has distanced himself from the project and Roche wants to avoid any embarrassment.

ONE slyling of the week which has so far gone unreported: "The trouble with Aelac is that it sounds like a laxative" — a Prince Charles original.

Scene and heard

RIBA president Larry Rolland has cut short his trip to America

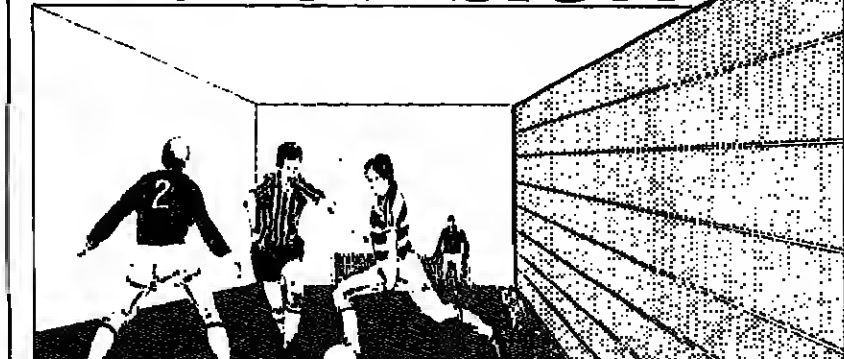
10 years ago

A DOE research report has launched a sharp attack on the unthinking use of design guidelines for housing as mandatory requirements.

It rejects the "widely held notion that standards are intrinsically beneficial", and argues that "wrong ideas about standards lead to wrong uses that may actually damage the environment".



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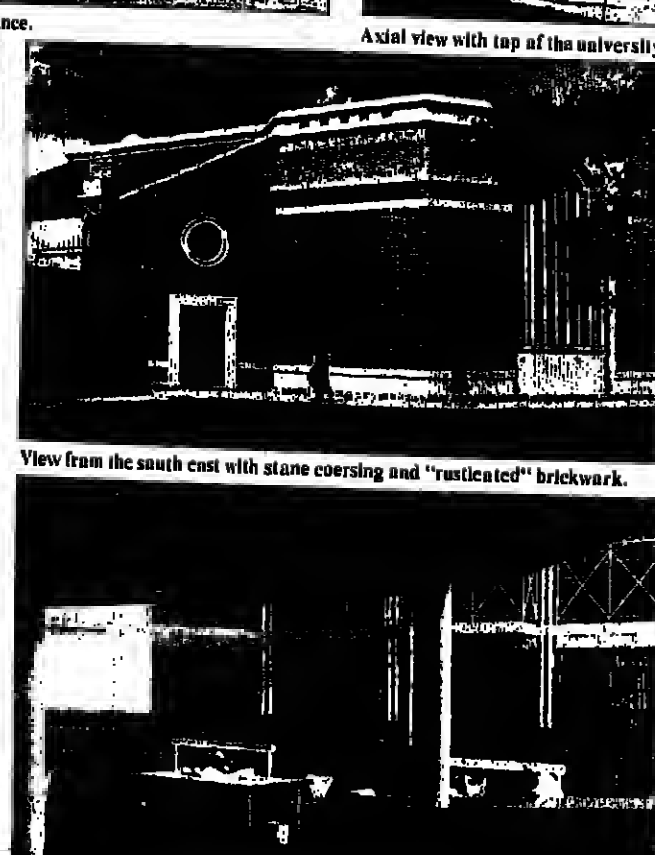
The main entrance facade faces west towards the main university library entrance.



Axial view with top of the university library tower.



Covered colonnade along the west front.



View from the south east with stone coursing and "rusticated" brickwork.



Interior view showing contained and layered spaces.

City survey



Blue-black roof (left offset) the brickwork at Linthouse.

Our recent feature on Glasgow (March 7) had to leave out a wealth of material which we now present in this 12-page special report.

Building Design Partnership

BDP have carried out two city centre infill sheltered housing projects for the Key Housing Association.

Both are designed to integrate the mentally handicapped with other people and avoid an institutional appearance.

The first, at Scott Street, Glasgow, comprises 19 one- to three-bedroom flats on a steeply sloping corner site.

The elevations relate to the neighbouring three- and four-storey tenements. The four-storey development is divided sectionally to allow for changes in level and communal circulation centres on an exposed tubular-steel staircase leading to a glazed roof at top-floor level.

Smooth red facing bricks and paviors were used externally with painted fair-faced blockwork inside and black and red stained timber

windows and doors. The roof is of blue-black asbestos slate. The project was finished in 15 months for £505,000.

A similar colour scheme has been applied to the second sheltered housing project, at Linthouse. It has blue-black asbestos cement roof slates, red facing bricks and blue and red stained timber window and door frames.

Located on a restricted level corner site next to four-storey tenements and two-storey terraced housing, the scheme is made up of six self-contained one- to three-bedroom flats and a group home of 12 bedsitting rooms with shared lounge, dining, laundry and bathroom facilities.

Circulation in the group home is by means of a central spine corridor on both floors, which is top-lit on the upper level.

GLASGOW REVISITED



The Linthouse scheme was restricted by the corner site and neighbouring tenements.



Rear chimney feature, Linthouse.



Corner elevation.

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BOOK OF THE MONTH

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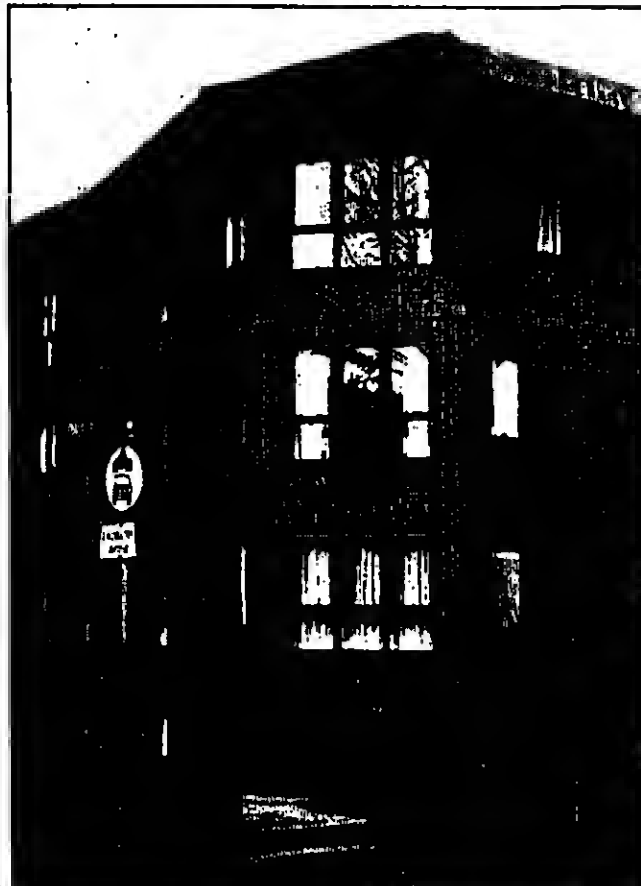
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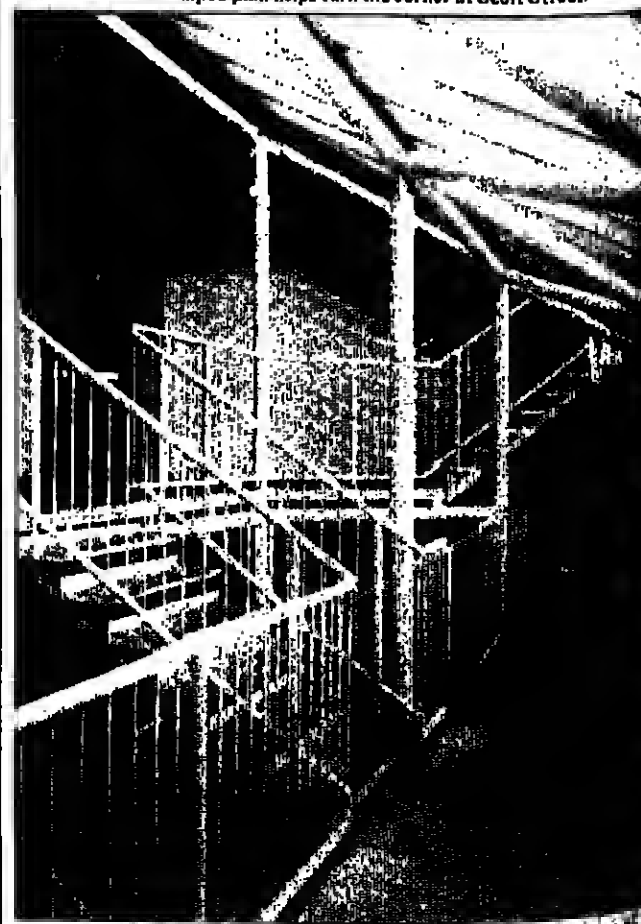
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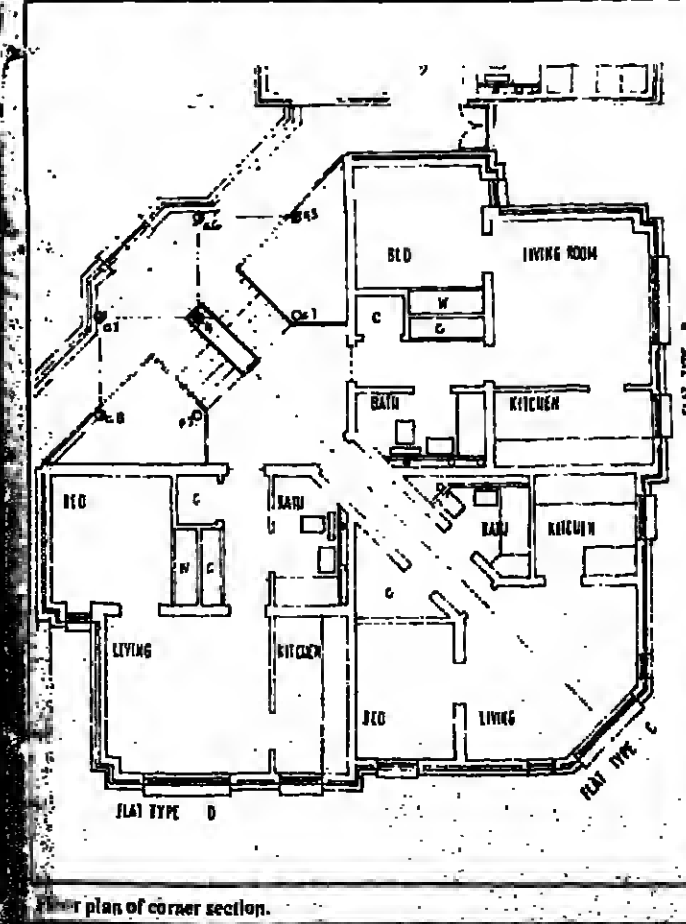
The chamfered L-shaped plan helps turn the corner at Scott Street.



Scott Street elevations relate to the nearby tenements.



Tubular steel communal staircase leads to glazed roof.



Floor plan of corner section.

A good entrance leads to a nice reception.

Luxalon 30B panel with its narrow module – was chosen in the entrance foyer for its exceptional flatness. The irregular shaped reception area uses Luxalon 80B diagonally and incorporates a suspended lighting system so that the sheer flat lines of the ceiling remain uninterrupted.



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Glasgow



Central arcade.

Hutchison Locke & Monk

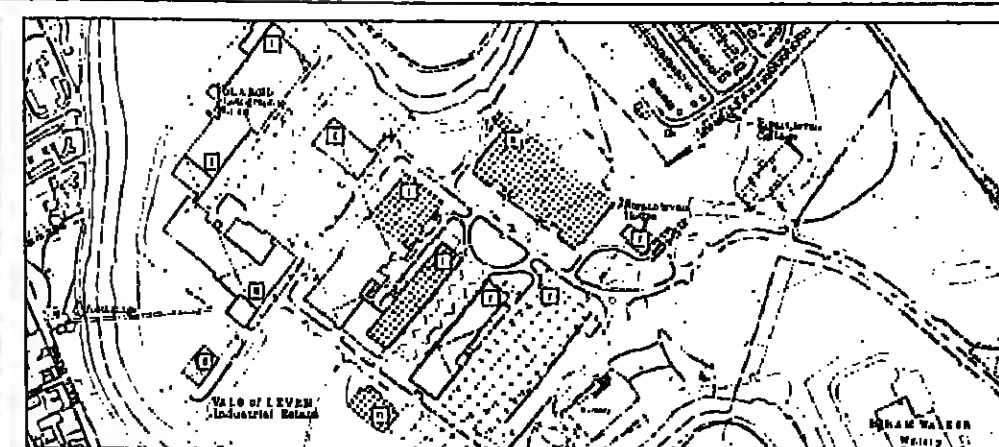
THIS design for the Vale of Leven bows to the Scottish Development Agency's wish to retain the industrial estate of the 30s.

HLM carried out a study of the sleepy valley and concluded that a theme park would be an appropriate acknowledgement of its position on the main tourist trek west of Glasgow.

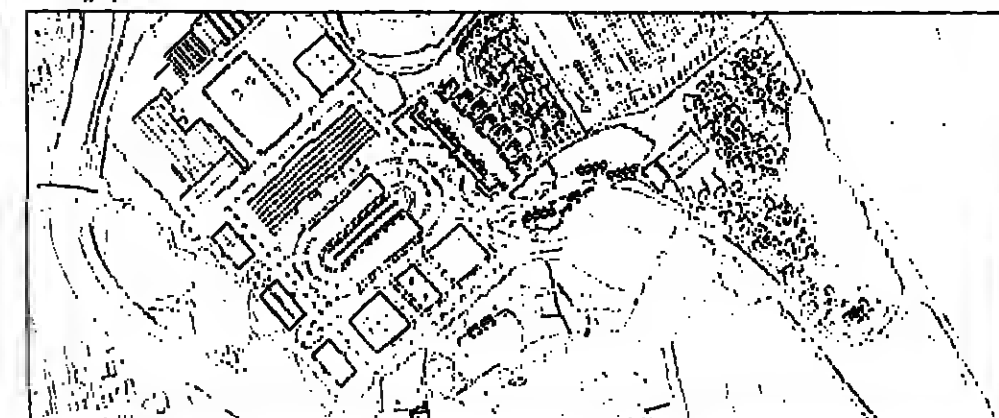
The architect's plans were rejected in favour of a revised scheme incorporating an industrial estate within a theme park area. Existing stock would be upgraded and some new facilities

provided for leisure and residential. The river would be diverted to create a boating lake. HLM propose covering over the single-storey sheds of the original estate, creating a Covent Garden type venue for restaurants, pubs, display and exhibition areas, a retail market for manufacturers in the estate who want a shop window to display their goods.

The SDA is trying to muster interest for light industrial companies to make a return to the valley.



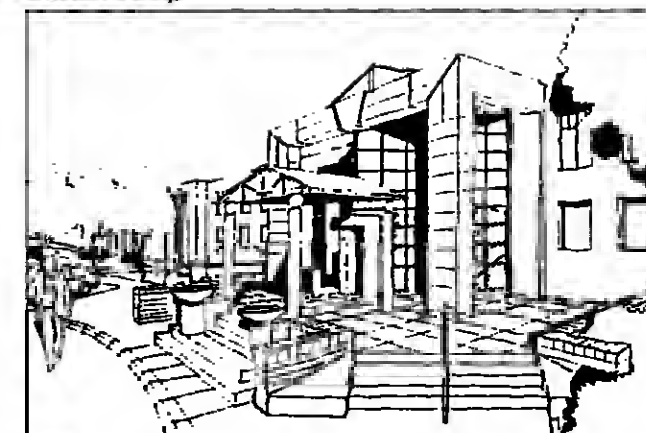
Existing layout.



Development plan.



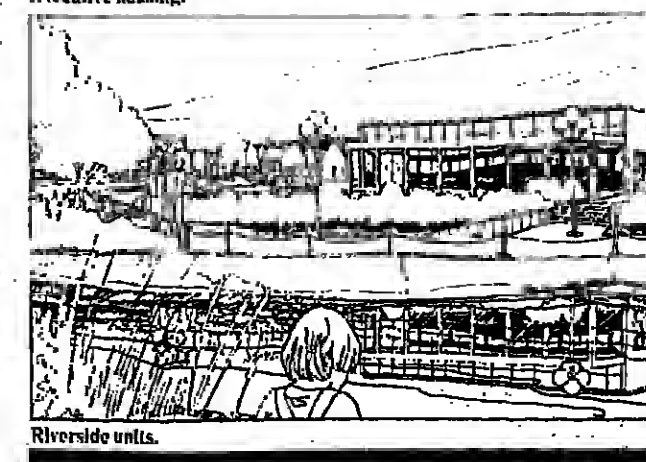
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Block 5.



Executive housing.



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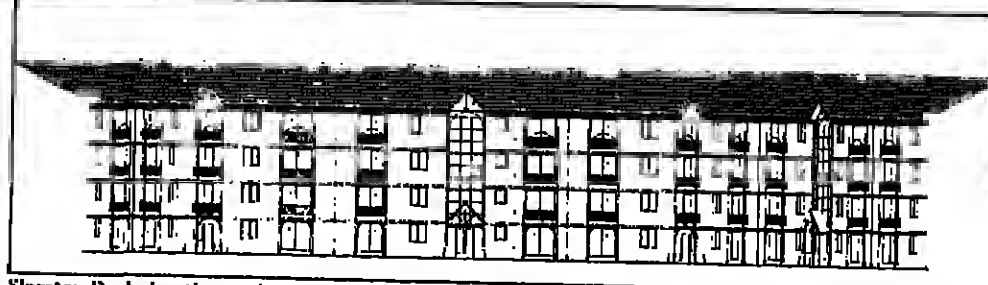
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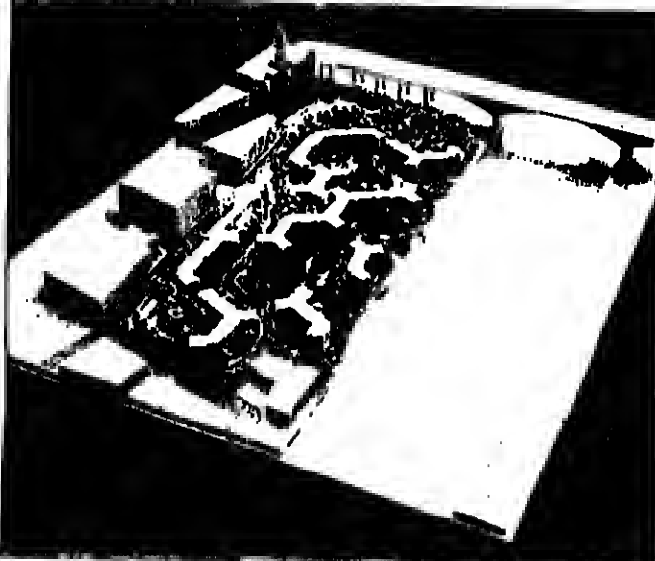
Glasgow



Distribution warehouse and food production units for Geest Industries.



Kingston Dock elevation to river.



Model of the Waterfront's Kingston Dock.

Laing Homes and Keppie Henderson

THE Waterfront housing project is Laing Homes' contribution to the renewal of the city's docklands, designed with the help of consultant architects Keppie Henderson.

The 37ha site takes in the Princes and Kingston docks and consists of 1,800 residential units with a marina, shops, doctors' surgery, pub and other facilities. Keppie Henderson Architects used CAD to develop the architectural layout of the units for the £75 million project, while Laing designed prototype flats and houses for the scheme.

Laing Homes bought the land from the Clyde Port Authority, cleared the site and carried out research to identify the needs of potential residents. The first phase of four-storey blocks of flats is due for completion in 1989. Every flat will have river views because blocks have been angled round courts in a hexagonal pattern. Laing has leased the Princes Dock to the Scottish Development Agency for the 1988 Garden Festival with construction of one-, two- and three-bedroom flats and 24 three-storey town houses to start soon afterwards.



The designers came up with new flats for the site.

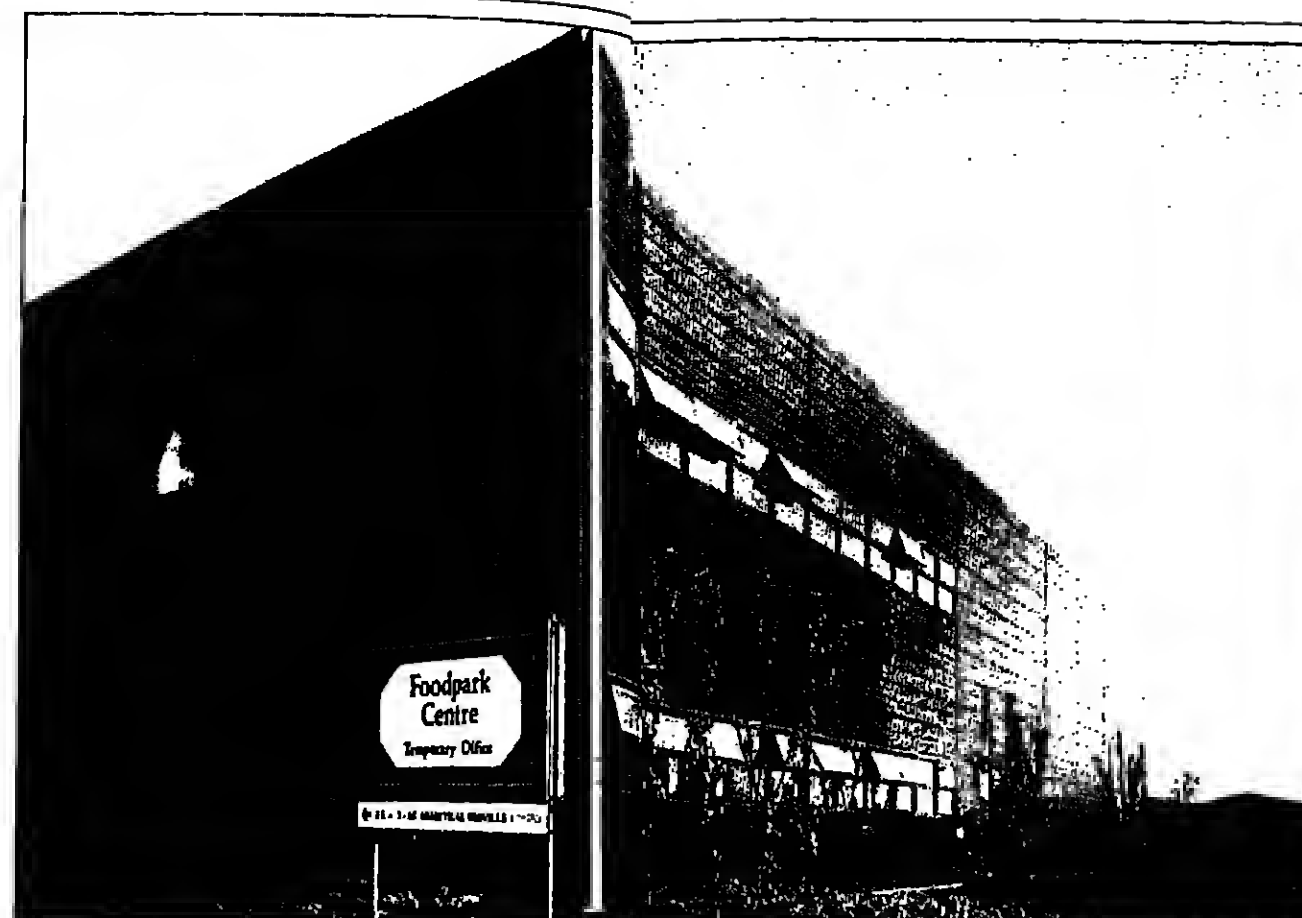
Keppie Henderson Architects

KEPPIE Henderson have carried out three projects for a major industrial theme park at Motherwell, near Glasgow, with the latest completed earlier this year.

The architects designed two buildings for the Scottish Development Agency comprising seven advanced factories and the main administration for the food park. These steel-framed and aluminium clad structures cater for 35-40 people and cost £850,000.

The practice also undertook a distribution centre for Geest Industries for £2.2 million. Facilities include cold rooms, storage and two-storey, patent-glazed offices.

The steel-framed and clad building has an advanced heat recovery system using excess heat from the refrigeration rooms to reduce fuel bills. Keppie Henderson's £1.5 million steel-framed distribution centre and two-storey offices for United Biscuits was completed at the park in April 1986.

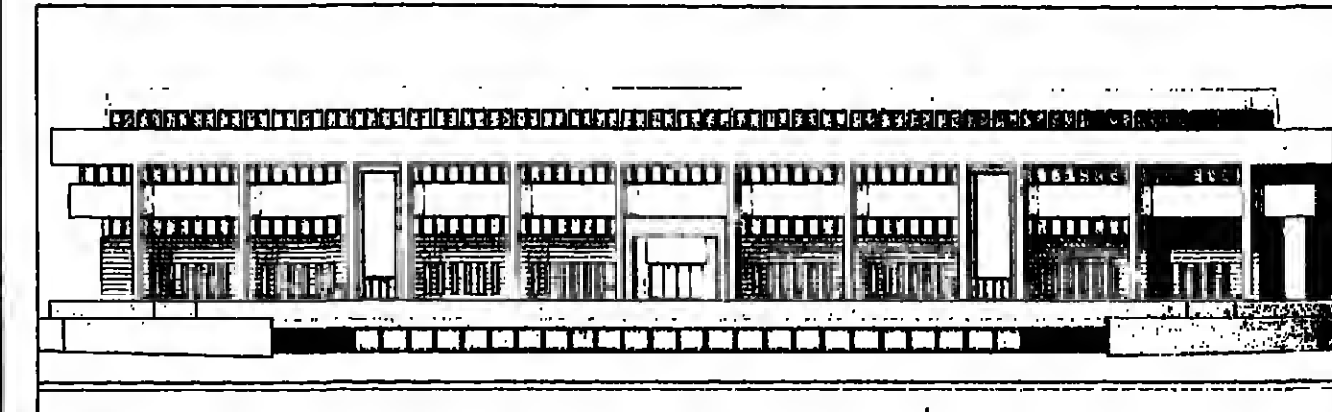


Motherwell Food Park administration block.

Glasgow



The deep slab columns form a strong frame with a parapet at level five.



Elevation.

Keppie Henderson with the Property Services Agency

1111' new Sheriff Court for Glasgow and Strathkelvin, built by Keppie Henderson Architects with the PSA.

Scottish region, has just been handed over for use. The £20 million, five-level building is the result of a four-year contract to replace overcrowded facilities and is the largest civic construction in the city for some time.

The new building houses 21 courts with witness and jury rooms, the police department, and administration space for sheriff, procurator fiscal staff and other court users.

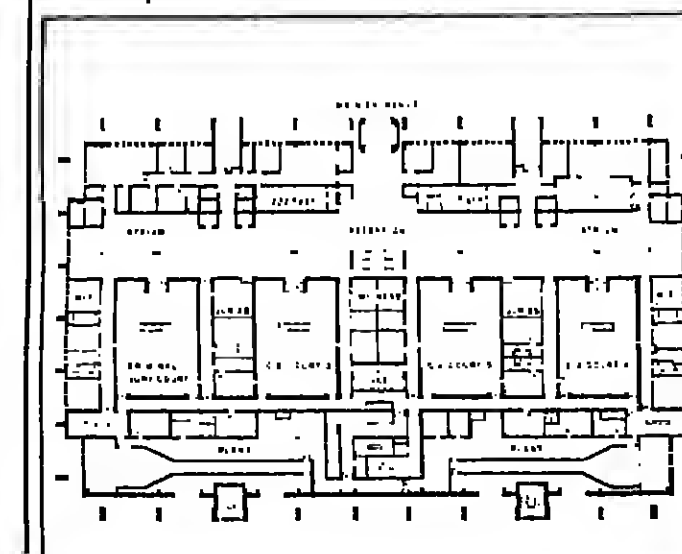
The structure is bounded on all sides by roads and river, and

accommodation is planned symmetrically either side of a north/south axis.

The design takes a column and beam form, with external cladding in polished granite and stone to complement the neighbouring buildings of Larnion Place.

Limestone paving has been used in the main concourse, with stainless steel and glass balustrades flanking the main staircase.

The building has one main entrance for public and staff at level two and circulation routes for the various users have been clearly defined for security reasons.



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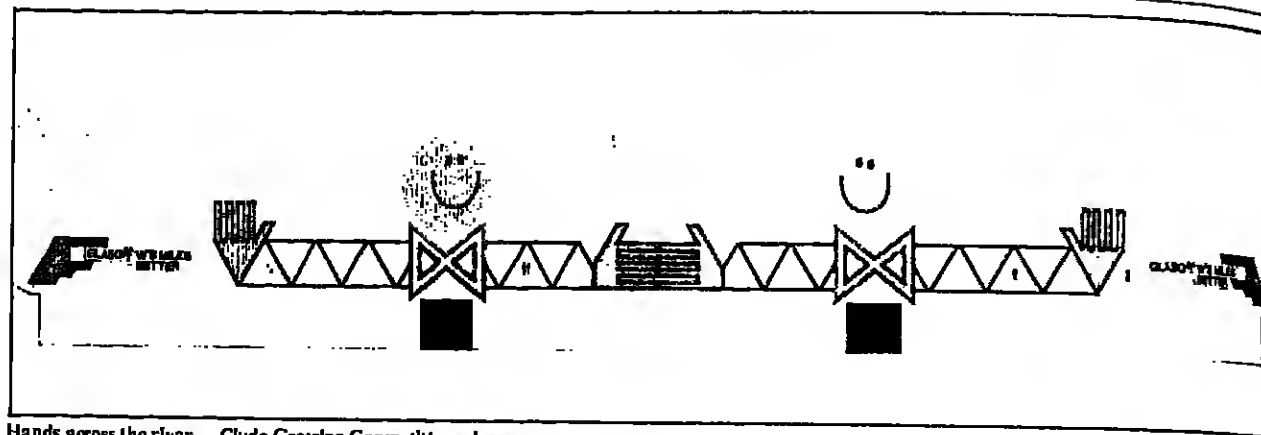
Glasgow

The Coleman Ballantine Partnership

COLEMAN Ballantine reach hands across the Clyde in their design for the recent SDH competition to link the garden festival site with the Scottish Exhibition Centre.

The innovative scheme, designed with Sir William Halcrow & Partners (Scotland), interprets the festive nature of the project by combining the smiling face of the "Glasgow's miles better" campaign with the Scottish

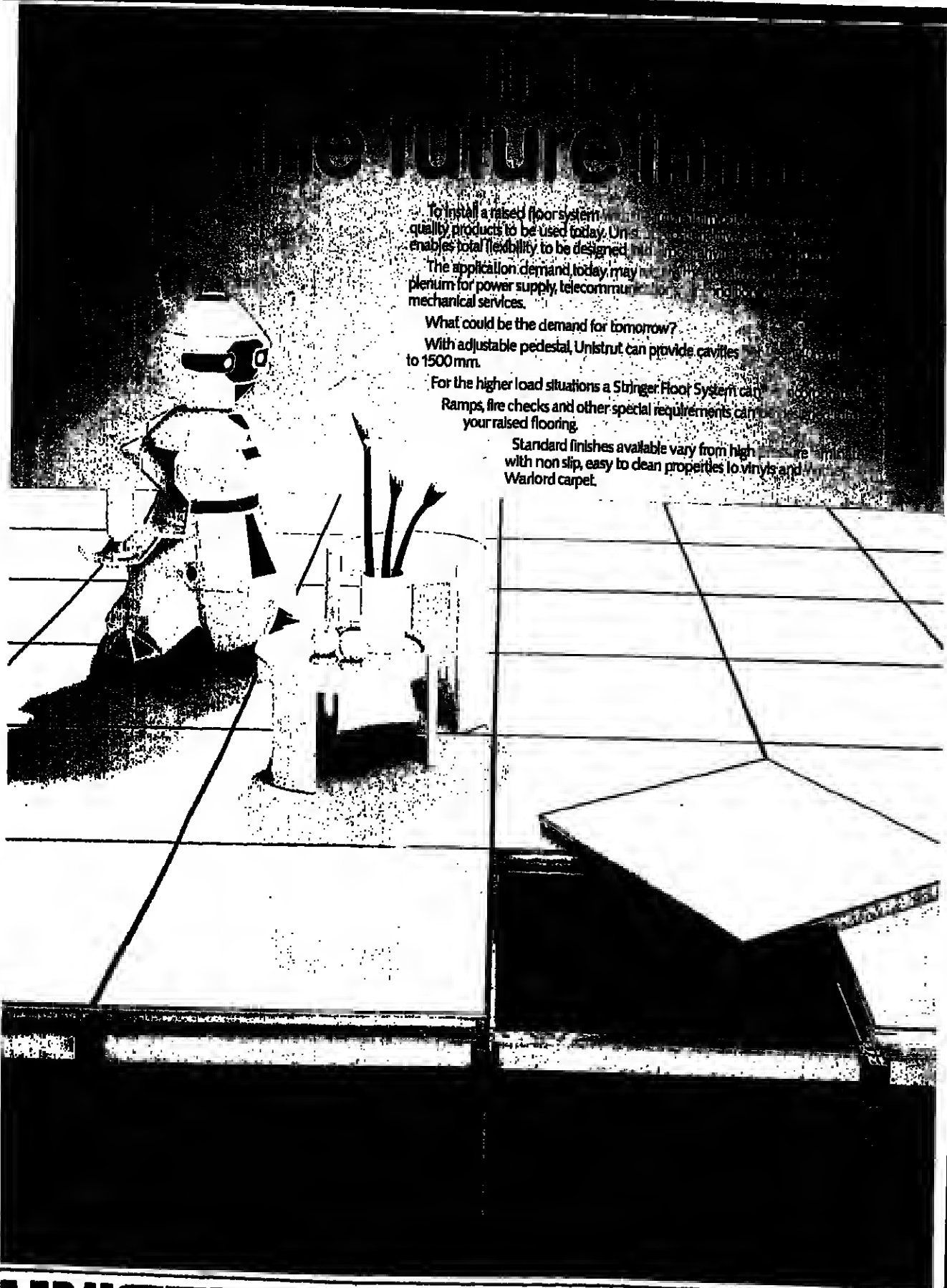
Development Agency logo in neon. These symbols sit astride two turntables allowing traffic access upstream. Red painted lightweight double tubing forms the arm extensions and the arms are lit with neon. By using different lighting effects the hands appear to change position, beckoning and halting river traffic.



Hands across the river — Clyde Crossing Competition scheme.



Proposal to enliven redundant bridge pier.



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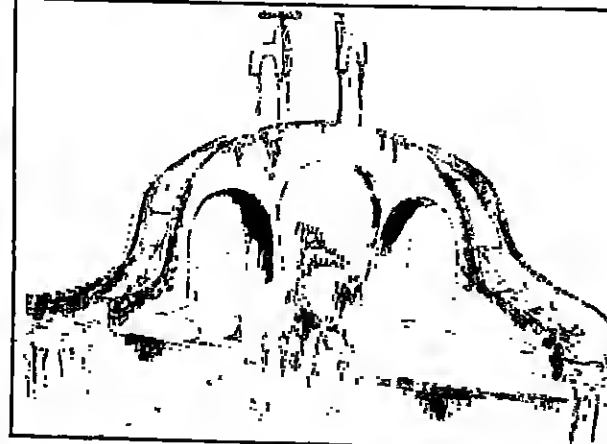
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CBP — proposal for redundant bridge pier

IN an effort to tidy up some of Glasgow's eyesores before the Glasgow Garden Festival, Coleman Ballantine presented the Scottish Development Agency with a scheme to enliven a redundant bridge pier on the Clyde. Although the agency was pleased with the scheme, funding was not available and the design awaits

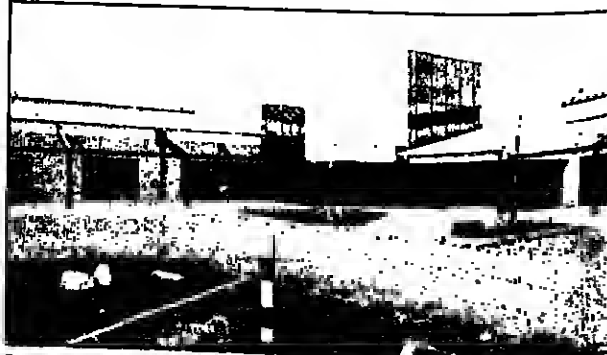
a financial leg-up. The architects have proposed adding 15m high hands and feet to the top of the piers. These would be made of nylon-coated pvc and supported on a steel cage. Air would be pumped into these extremities, creating a variety of gestures. A fit cigarette is an optional extra.



CBP — festival entrance

IN an effort to mark the source of the Clyde, Coleman Ballantine plan to set up a standpipe during the Glasgow

Garden Festival to enhance the main riverside entrance to the festival High Street.



The glazed central testing station links the two office wings.

Carl Fisher Sibbald & Partners

THE GL Group's brief for offices and workshops for two of its companies demanded a central station complying with BS 5797: 1981 Direct line signalling systems and remote centres for intruder alarm systems.

The station was to monitor alarm systems installed throughout the country and had to be protected against various methods of attack. Edinburgh architects Carl Fisher Sibbald & Partners also had to allow for full auxiliary back-up so the station would be operational 24 hours a day and the design had to provide for 20-40 per cent expansion.

The architects came up with a two-storey structure. The office/workshop wings are of castellated steel portal frames with "lean-to" areas for expansion on outer areas. The glazed external walls will meet out and the aluminium cladding will extend beyond the expansion steel structure. The result is transverse expansion with circulation that improves as the building grows. The office wings intersect with a double-height reception area, double octagonal shapes incorporating the central station at ground level and a lounge above.



The central zone uses castellated steel beams and universal columns with height double-glazed screens.

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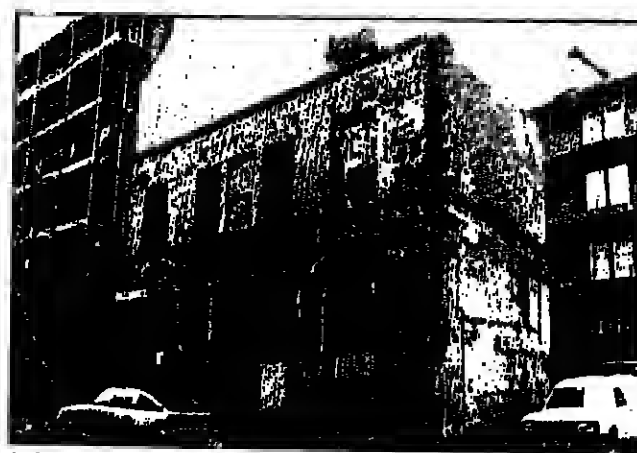
Tony Aldous took a look at a refurbishment project which has turned a dilapidated, roofless shell into a thriving cafe-bar.

Cafe propriety

QUANTITY surveyor Tom Laurie had just come home from a holiday in the Loire Valley when a developer client working in Glasgow's historic Merchant City rang him.

"Tom, the ruined house in Blackfriars Street we were going to demolish for the car park — the Historic Building Council says it wants us to keep it. It's the doorway that's the interesting bit. Could we just keep that, do you think? Set it in a screen wall and make a landscape feature of it?"

"Hold on," said Laurie. "I'll ring you back." He went running along the River Clyde Walkway, and as he jogged along a better idea crystallised. That idea was to become the Babbity Bowster, a cross between a Scots pub (post-liberalised licensing laws) and a French cafe-with-rooms. He and his brother Fraser (who runs it) opened the Babbity last autumn. It is a phenomenal



As it was — run-down, but with potential, success socially and sufficiently profitable for them to be planning an extension.

No 16-18 Blackfriars Street was designed in the 1780s, probably as the kind of grand town house or mini-palazzo where well-heeled Glasgow merchants of that period both traded and lived above shop, but it was not built until 1792.

growth of industry in the East End and the westward movement of the homes of the wealthy limited its days as a prestige town house. It then became successively coffee-shop, rooming house, part of a ropeworks, vegetable wholesaler; then in the mid-1970s, when the vegetable market moved out of central Glasgow, it fell empty and grew increasingly derelict.

"The major dereliction was caused by a blocked rain water pipe," says Tom Laurie. "All I keep telling clients, the damage done by neglect is greater than the damage done by vandalism."

The Laurie brothers' restoration of the Blackfriars Street building included boldly putting back a third storey, known from a photograph to have been there in 1910, and rebuilding a pediment above it. All this is not in stone — which everyone would have liked but would have added perhaps £80,000 to the cost and killed the project — but in brick, rendered and

Gomme & Walker in their *Architecture of Glasgow* attribute it tentatively to Robert and James Adam. Doric columns on either side of a rather grand front doorway are Laurie's client appreciated its outstanding feature.

But in 1984 the building was a roofless shell. In its 190-year life it had played many roles. The



As it is — a lively social centre. (Photo: Larry Turner/Glasgow Evening Times)

pointed, a common practice in Scotland where porous stone often needs protection from the weather. Through that ground columned front door the customer enters a large and lofty bar, on plan an inverted "T". It is light and colourful, with paintings on the walls, an open fire burning in an 18th century fireplace at one end, and a tape (often Scottish folk music) playing not too insistently in the background. A timber ceiling beam has been picked out in colour with traditional Scottish decoration.

Above the fireplace is a large and colourful ceramic in Scottish primitive style, depicting a killed Scot dancing. The Babbity Bowster is a traditional Scottish dance. The Lauries commissioned the mural from Mary Wilson at Glasgow School of Art. She finished it in a room an 18th century snuff box.

The stem of the "T" is partly filled by a French-looking bar, two long sides at right angles, with coffee machine as well as beer pumps, tea cups and scones as well as the glorious, scented ranks of single malts. The atmosphere is lively but civilised. "What we were striving for was a kind of formalised chaos," says Tom.

Tom Laurie points to the bar, with customers standing or perched on stools. "The English go into a pub, get their drinks and look for somewhere to sit down. The French and the Scots tend to stand at the bar — perhaps so they can escape if there's a trouble!" In its 19th century coffee shop days, the building was much used by journalists from the *Glasgow Herald*. It gives him great satisfaction that once again *Herald* and other pressmen are among the regulars, eating as well as drinking.

They often do so at wooden tables arranged around the long head of the "T" and to the right of the bar, sitting on benches or seats which Laurie rescued from an old anooker hall and restored for the Babbity. Behind the walls on either side of the "T" stem are, to the left a servery, to the right a new or rebuilt stair tower. A goods lift or dumb waiter connects the servery downward to beer and food stores in the basement, up to the main kitchen and to the rebuilt bedroom floor above. It has a linen compartment as well as one for food and drink. Behind is an original rough walled stair tower — the service stairs — connecting all four floors. It has been simply rendered and painted, and a functional handrail added. "I wanted no nonsense there," says Tom. Apart from cost considerations, he wanted parts of the building to tell the story of its past.

The grand first-floor front, all three bays of it, accommodates the Gallery Restaurant, geared to patrons who want a meal on in some style and comfort. In menu does not differ greatly from that on offer in the bar below, which has food available all day from breakfast till late evening. Behind the first-floor restaurant is the main kitchen. On the reinstated top floor are six bedrooms, small but light and pleasant with furnishings chosen with light, soft touch — though functionally they have some minor shortcomings. Last of good bedside lighting is one.

Tom Laurie says he deliberately left the detail of Babbity to his staff, and is giving it a few months to discover mistakes before embarking on a corrective blitz.

The basic scheme for the Babbity was designed by the Nicholas Groves-Raines architectural practice, who obtained building consents for it; the Tom Laurie Associates filled in the detail and ran the contract. The total cost including fitting and furnishings was about £325,000.

The Lauries are now applying for planning permission for a three-storey extension on a site to the east, to contain another 15 bedrooms and a ground-floor residents' lounge with covered parking behind. The plan is to have it ready time for the garden festival. There will also be a canopy terrace with barbecue grill, a paved area for a pedestrian square, a more comprehensive programme for the Blackfriars of the Merchant City.

Children's haven set to rise from the debris

CHRIS Palmer, chairman of the Landscape Institute's Scottish chapter, set up his own practice, Christopher Palmer Associates, in 1983.

Originally from Nottinghamshire, he had previously worked for Brian Clouston & Partners and then ASH (Anderson Semmens Houston) in Glasgow.

CPR shares offices with a firm of architects and quantity surveyors, Cooper Cronan Associates, in a mews behind Park Circus in Glasgow's West End. There are two partners, Chris Palmer and Barry Scholefield.

Palmer's wife, Fiona, also a landscape architect, keeps the books and helps out at peak periods.

In some ways the practice's most challenging job to date has been Hogarth Park, which they designed to a brief from Glasgow District Council with funding from the Scottish Development Agency. Subject to planning approval, they hope to start on site soon.

The site at Carnyue in east Glasgow is at present derelict. The district needs a new park, but CPA's brief required

them to take account of the line of a proposed link road so that the open space would still be viable if and when the road is built.

The site has in the past been used for tipping, and is cut in two by a disused railway embankment. The railway embankment consists of ash blinding over a clay core; the tipping material included unsorted debris from demolished buildings, steelwork slag and ash.

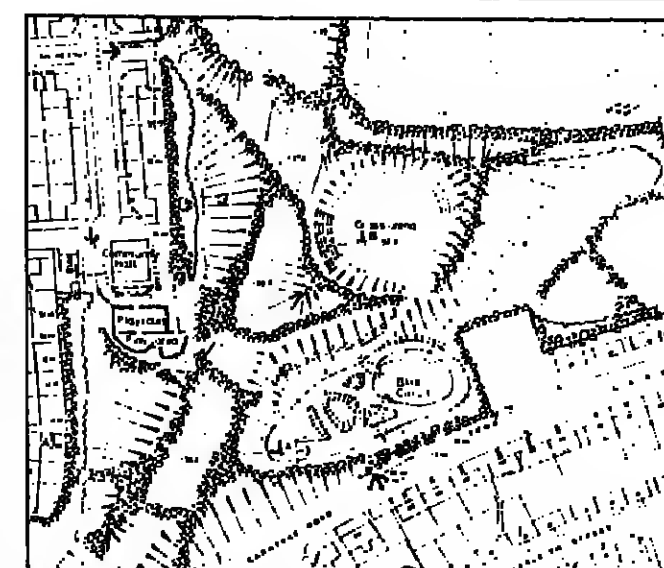
Palmer says the design's main objective was to produce a strong land form which, with planting, would screen a variety of activities from each other and allow them to go on together. The budget did not run to imported topsoil; instead they proposed to use a mix of ameliorated railway embankment materials together with imported peat to spread as a growing medium over regraded tip materials.

In a curious way the Garden

Festival has made its contribution. As part of the festival site package, Laings are to build on a site at the north-east corner of the new park. Early last year they moved some 80,000cu m of tipped material on to the future park — material unwanted by them but much needed by CPA for land-forming. More material for the same purpose is currently being trucked in from the St Enoch's shopping centre site.

Facilities to be provided at Hogarth Park include several play areas for different age groups and activities, a BMX track, and an informal grass kickabout area. The brief called for consultations with people in adjoining streets, which Palmer says he welcomed and has found useful. The final design shows footpaths crossing the site and feeding conveniently into adjoining housing areas.

The brief also required the designers to take account of the



Sketch proposal for Hogarth Park.

existence of one side of the site of a well-used community hall, and the final design places the various play facilities next to this building, fencing them off from the rest of the park so they can be run on a supervised basis.

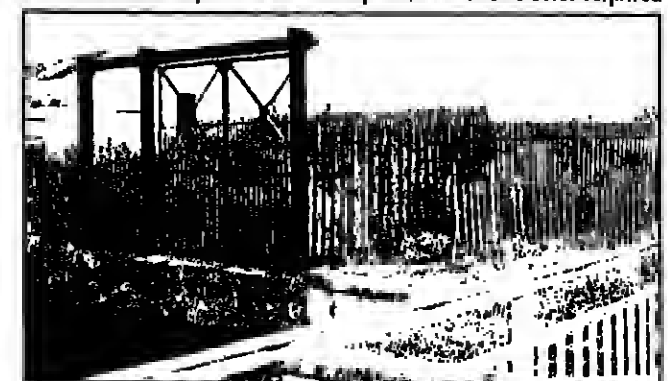
Robust land-forming is intended to withstand expected heavy use. Planting will be mainly whips and transplants of native species, with some extra-heavy standard trees, protected by timber fencing, to give a sense

of present — as distinct from future — woodland.

"We may set up guardianship arrangements with children planting and looking after trees," says Palmer. "There are three primary schools in the area."

Tony Aldous

Landscape architects: Christopher Palmer Associates; QS: Cooper Cronan Associates; Land surveyor: Alison Murray



Clydebank Business Park before landscape work began.

Landscape's age of enlightenment

CLYDEBANK Business Park, says BDP Landscape's Ian McGowan, is a telling example of how the landscape architect in an inter-disciplinary practice can get in on the ground floor in the planning and design of a new development.

The Clydebank site was the former Singer Sewing Machine Works, which the Scottish Development Agency has turned into a bustling centre of new employment.

BDP were engaged as planners and architects, and McGowan was able to make a landscape input right from the start with the planning of the basic infrastructure.

The master plan prepared by BDP called for demolition of selected buildings, construction of some new and conversion and rehabilitation of some old, over

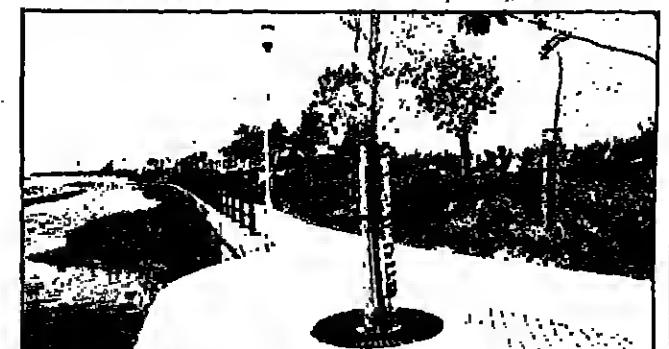
a five-year period.

The commission specifically included phases of landscape work as sites became available, though in an overall landscape plan. The SDA took the enlightened view that new buildings providing new employment deserved a well-designed new landscape.

The Forth & Clyde Canal threads through the site, and the plan latched on to this as an important feature to be exploited, holding the new landscape together.

It has even weathered better than one or two of the firms that set up the park — though most have prospered.

Client: Scottish Development Agency; Architects, planners and landscape architects: Building Design Partnership, Glasgow.



BDP exploited the Forth & Clyde Canal as an important landscape feature.

Site designers don't hang about

THE "Milling Space" — the central space in the Glasgow Garden Festival's main site, in which visitors can "mull about" before setting off in the direction of the various theme areas — is being designed by BDP Landscape's Glasgow office under Ian McGowan.

It is, he says, "the eye of the daisy"; the petals are the five theme areas that radiate from it. But with a diameter of 96 metres, it is quite some eye.

Out of it lead nine exits/entrances connecting with theme areas, with the walks that thread between them, and with

the main gathering areas to the north. BDP's present proposal is that the milling space should be in the form of a nine-pointed star, with raised landscape features breaking up the space, helping to channel visitors to the exits or points of the star, and providing shelter. In the middle would be a raised performance area 10 metres in diameter.

Once his final designs are approved, McGowan hopes to be on site in the spring and by the summer to be well advanced with earth forming and grading, planting will follow in the autumn.

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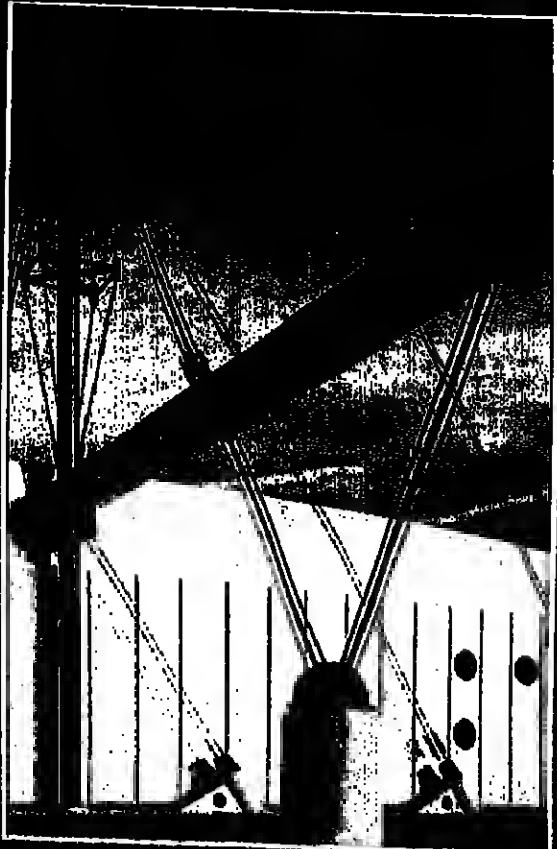
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Glasgow/Garden Festival

Pickering & McDonald

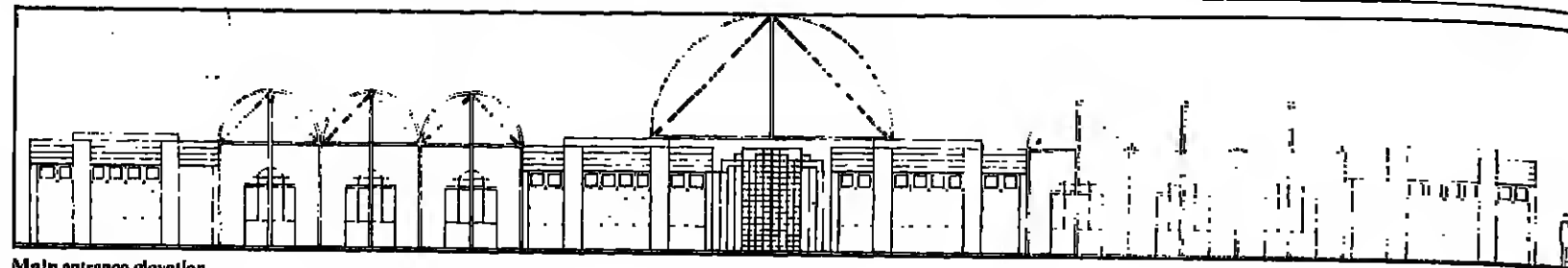
IAN Pickering and Alistair McDonald, both lecturers at the Glasgow School of Art and the Macintosh School of Architecture, decided to set up a new practice after winning the competition to design the main entrance buildings for the garden festival.

Architects were asked to submit designs for two new buildings to be sited at Mavisbank Quay and at the Scottish Exhibition & Conference Centre piazza.

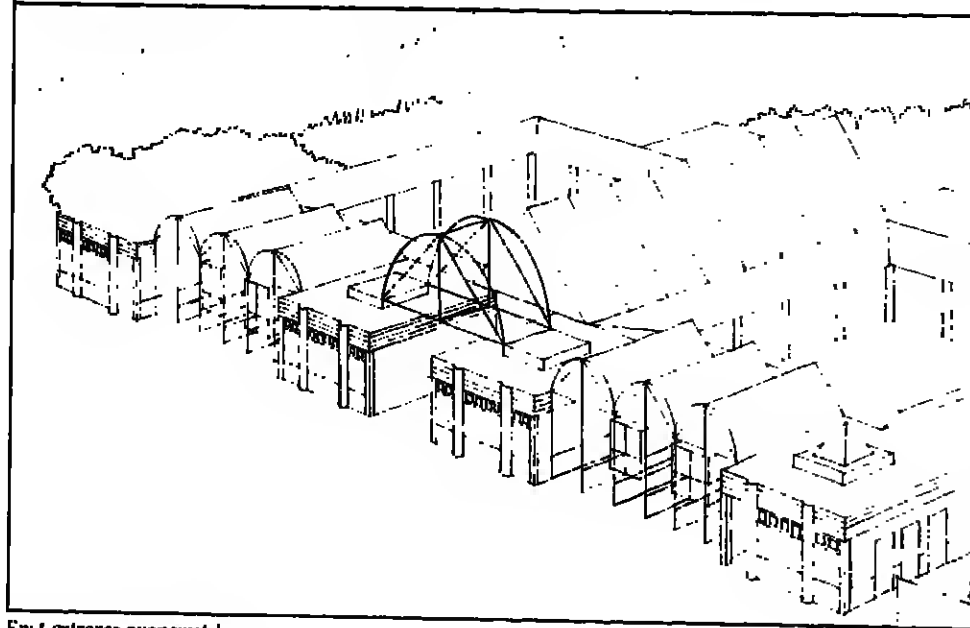
Both Pickering & McDonald's entrances are identical in plan, though allowing for the requirement of each site, and retaining modular flexibility.

Their scheme includes garden cafes and shelters, to provide shade and relaxation. They were conceived as frame and panel buildings with simple paved floors, built on the kit-of-parts principle to provide a practical space.

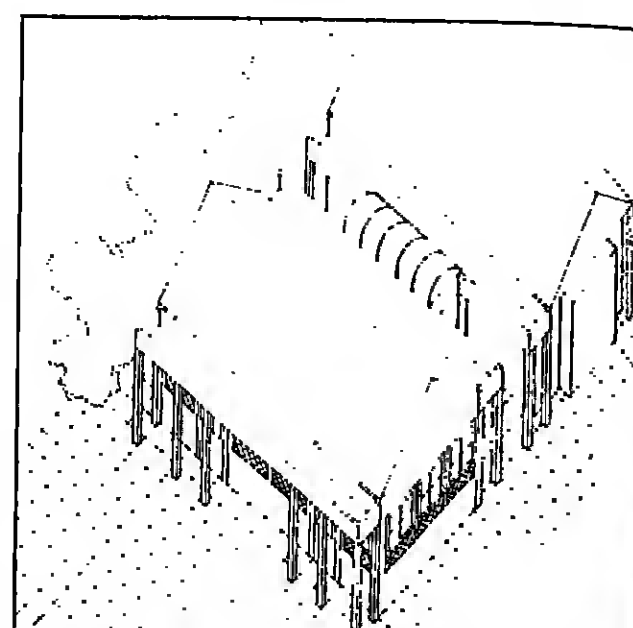
Colour is an integral part of all elements in their proposal, chosen to communicate a sense of festival and to help co-ordinate information and signing.



Main entrance elevation.



East entrance axonometric.



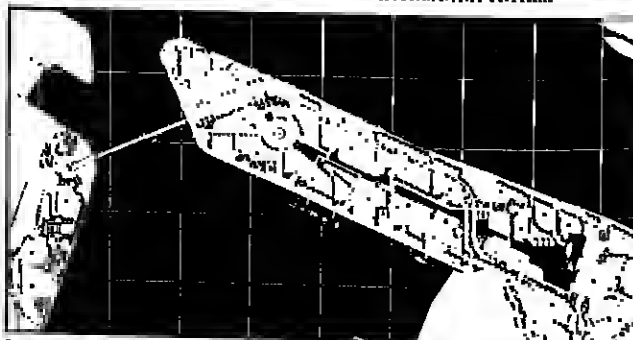
Garden cafe and toilets.

Derek Lovejoy & Partners

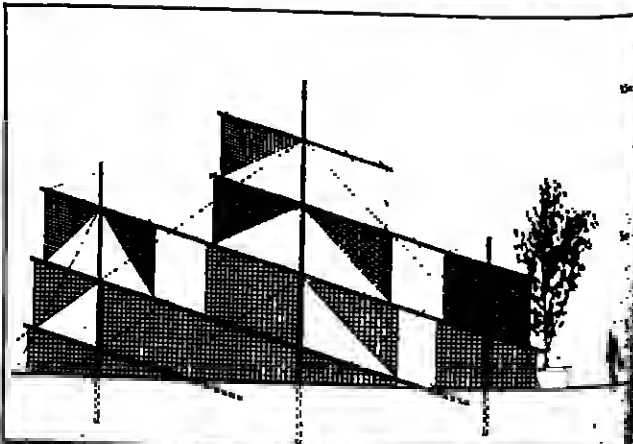
THE Manchester office of Derek Lovejoy & Partners won first prize in the landscape design competition for the water and maritime theme area for the Garden Festival.

This award makes it three in a row for DLP Manchester in garden festival competitions, and as there have only been three such competitions the "hat-trick" is a major triumph. The design for the water and

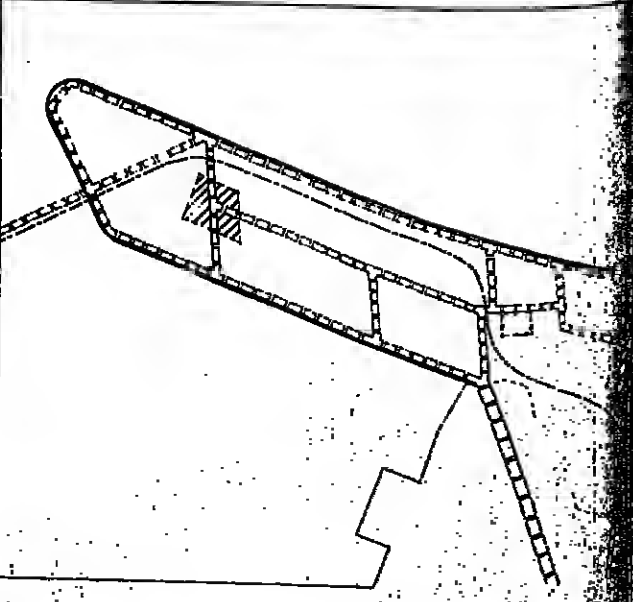
maritime area, prepared by Will Williams, originator of the previous competition-winning designs at Stoke National Garden Festival and Liverpool International Garden Festival, relies upon the use of traditional themes of square rigged ships and contemporary themes of ship building and off rig construction to paint allegorical statements in three-dimensional forms.



Master plan.



Sail screens.



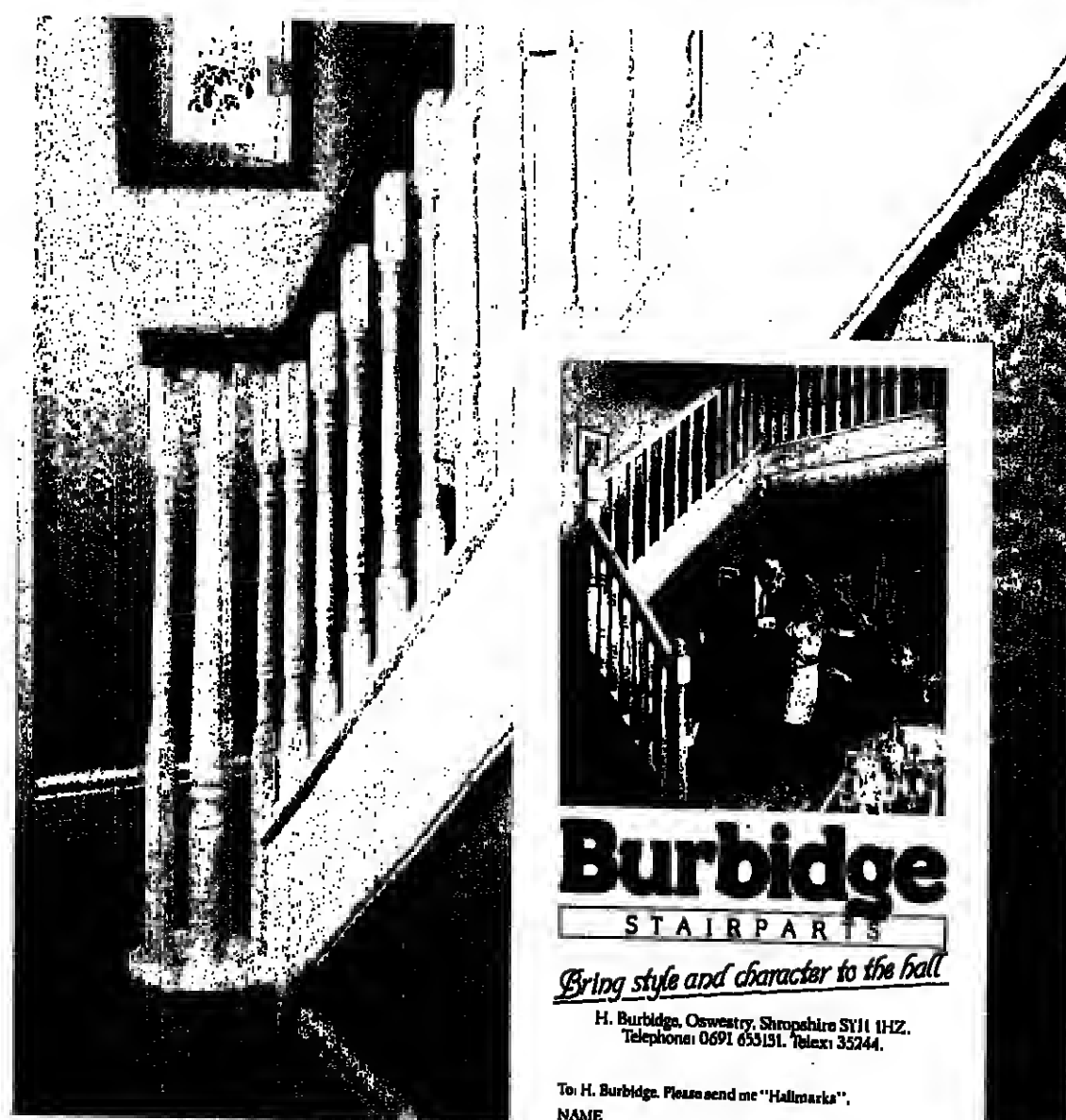
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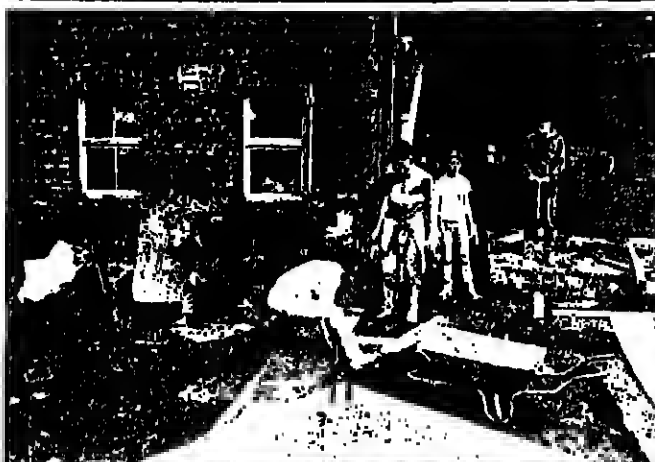
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Community Enterprise Awards

Today at Portland Place, Prince Charles will be presenting the first awards in *The Times*/RIBA Community Enterprise Scheme 1985-86. Nearly 200 schemes were entered for the awards, which have been made on the basis of imagination, viability and how well the entries have fulfilled a need. The seven judges included three architects — Rod Hackney, John Lane and Andrew Darbyshire —

COMMUNITY ENTERPRISE

who visited the schemes between November 1985 and early May this year. All the schemes were current, ie not completed by December 31, 1985. The award winners receive £1,000, certificates and plaques for the buildings; the scheme for Derry pictured on this page has been given the Charles Douglas-Horne Award, in memory of *The Times*' late editor, comprising £2,500.



Award: Laird School of Art repair scheme, Birkenhead, Merseyside Laird Enterprise Trust Association

ABOVE and below: Residents in the Conway area of Birkenhead came together with help from Nottingham University's Education for Neighbourhood Change unit to survey the wasted resources, human and material, of the area and to work out how they could be put to good use. With funding from Wirral Borough Council they visited about 1,400 households and checked on every disused building. After long negotiations they secured the Laird School of Art, a substantial Victorian building owned by the council but unoccupied for more than two years, and suffering from neglect, vandalism and arson.

They formed the Laird Enterprise Trust Association and, with the assistance of the Town & Country Planning Association and the Manpower Services Commission, set up a community programme to undertake basic repairs so that

the building could be used to set up small-scale enterprises. Between them the small enterprises would cover the overheads and make the building self-supporting under the management of the residents' own association.

A firm of local architects, Innes Wilkin Ainsley Gorman, have provided technical supervision of the repair work, and as the work proceeds, floor by floor, residents' enterprises are moving in, literally, from the basement up. A potter, a school furniture repair service, a local artist, and a meals/sandwich delivery service on "the flying bottle bike" are already in operation, and other users are lining up to occupy additional work areas as they become available. A small team, funded by MSC Voluntary Projects Programme, is providing business planning advice and follow-up.

Outside the building, space is reserved for a canteen/play area with a dragons mural already designed and painted by neighbouring school children, who are now designing a castle climbing frame.

Award: Derry Inner City Project, Londonderry Inner City Trust

THE old city of Londonderry, originally built in the 17th century and one of the few remaining walled cities in Europe, has been subject to years of neglect and devastation as a result of the troubles. Property values in the area are low and existing holders have generally preferred to take compensation for damaging, rather than stay and rebuild.

In 1981 the North West Centre for Learning & Development, a group concerned with individual and community development, initiated the Inner City Project, under the direction of an ex-building foreman, Patrick Doherty, to revitalise the devastated Derry environment. In so doing, the centre aimed to create employment and exploit the tourist potential of the area. The centre has a broad based management committee with representatives from trade, professional, religious and civic sections of the community. A trust including church leaders and the mayor of the city, was established to develop the project.

The concept was to rebuild derelict properties using local labour to create various amenities for young people, including craft workshops, training facilities and libraries,



and encourage tourism by developing an historic walk.

The finance package for this project is a combination of Youth Training Programme and Action for Community Employment funding for the labour costs, with the Derry city council, Irish American Cultural Institute, the Ireland Fund of America and a number of other American Irish organisations



and individuals donating money for materials. Initial capital for the sites and derelict buildings was raised by bank loans, the Irish Society, the Ecumenical Development Co-operative Society and the Irish Ecumenical Church Loan Fund.

Since the Derry Inner City Project was initiated in 1981, eight buildings have been completed. Three more are under



construction and four have received planning permission. The craft village is in the planning stages and the 15th century castle is nearing completion. Some 500 people are now employed or in training on this venture, making it the second highest employer in the district after Du Pont Chemicals. Due to the letting of completed premises for training and educational purposes, cash is being



generated and the cash flow projections indicate that in three years the income available will cover capital and interest repayments.

Any surplus money available will be used to acquire further existing derelict buildings.

The assessors commented: "An ingenious range of activities covering all the building

trades, stained glass, textiles and indexing local records makes the activity of this venture particularly commendable. The Inner City Trust has realised many of the very objectives which other groups have only talked about.

"City dereliction has given way to a busy, optimistic group of buildings full of life and fulfilling gainful activity."



Award: Tabernacle Community Centre, Notting Hill, London. The Tabernacle Community Association Ltd

THE Tabernacle is a Grade II listed building erected by an evangelist church sect in the 19th century, situated in the Colville/Tavistock wards of North Kensington. The need for a community centre in this area was recognised by local community groups in the 1960s. In 1980 the borough council agreed to let out the building at a peppercorn rent on licence to an independent management committee elected by members of what came to be called the Tabernacle Community Association Limited.

It was another four years before the voluntary management committee was able to raise the funds required to re-develop the Tabernacle to provide a full range of community facilities. The building now accommodates a

youth club, an art room, a gymnasium, cafeteria, projection room, and a main hall used for a canteen, parents and babies group, and meeting/rehearsal/performance space for local bands.

The Tabernacle has progressed from a position of potential bankruptcy in 1981 to a relative financial security, with support from the borough council and various charitable organisations, supplemented by income levied from bookings, events and the bar. Additionally, grants from the borough and Manpower Services Commission have enabled the start of the Tabernacle painting and decorating community programme scheme.

The assessors commented: "We were impressed by the large size of the project and the steady and well organised programme, which was enthusiastically run by the committee and staff. We understand it is now used as a focal point for the Notting Hill festival and will now become the focal point for the entire area."



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Community Enterprise Awards

Award: Tideway Yard, Mortlake, London.

IN 1978 the local community became concerned over the future of a set of dilapidated buildings between Mortlake High Street and the River Thames in the London borough of Richmond. The council's proposal was to demolish all the buildings and create an "open space" at the cost of £1 million.

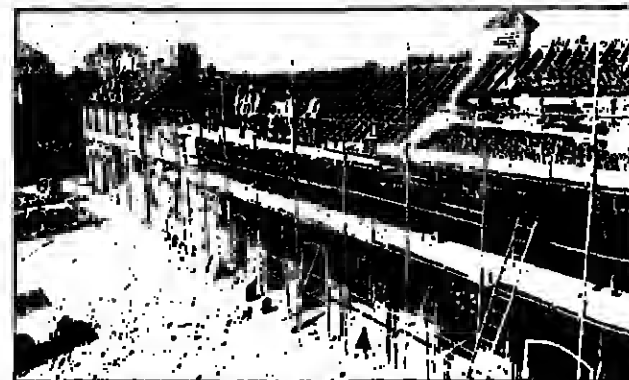
Local residents formed the Mortlake Community Association (MCA) in order to attempt to persuade the council that the buildings, which are in a conservation area, were worth saving and could be put to worthwhile community use. The MCA formulated a detailed brief which was eventually accepted by the council and offered to potential developers by way of an open competition. The brief called for community workshops and studios for start-up firms, housing units, a youth club, social facilities, council depot and a riverside cafe with landscaping and parking.

The project has come to fruition only as a result of total commitment on the part of the MCA (which has developed into an association of 400 members in three years) and their architect/developers Gillian Harwood and Philip Lancashire.

The project is not receiving subsidies or grants of any kind and it took two years to raise the finance to realise the scheme.

The project has now been implemented with borrowed money but at commercial rates. W J Marston & Son Ltd

will carry out the building works and finance this project in its entirety as a commercial venture, selling the flats to the owners and acting as bankers for the workshops which will be



managed by the architect/developers on their behalf.

The assessors commented that, "MCA is an example which shows how the local

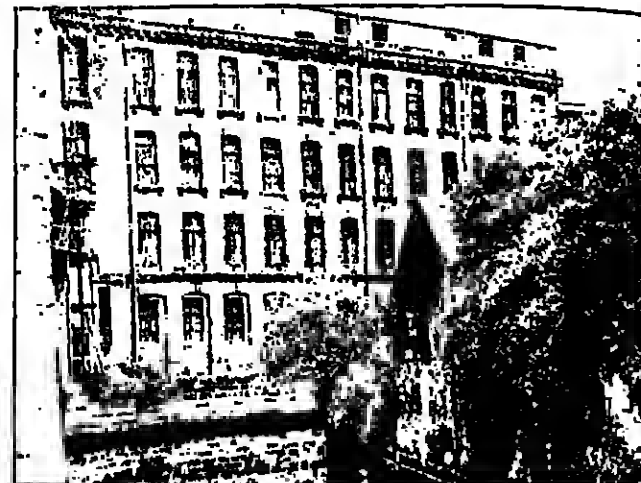
community can influence projects initially, develop the idea and lead to its commercial exploitation but still retain the overall interest in the way in which it should develop".

Award: Ouseburn Warehouse, Newcastle Upon Tyne. Ouseburn Co-operative

In 1980 the frehold of a large disused whisky warehouse, situated on a tributary of the Tyne, was bought by community worker, Mike Mould. In the following five years, a group of local craftsmen and small businesses working with Mould through self-build work, created within the redundant warehouse a wide variety of facilities for their own use including workshops, a recording studio, a pottery, an artists studio, offices for a community theatre group, rehearsal space and a residential flat. But because of limited funds, lack of co-ordination and overall design concept, essential work for the building fabric and the provision of basic amenities was not possible at this time.

In 1985 the users decided to form a co-operative to manage the building and commission a feasibility study. This first stage, made possible by an RIBA Community Project Grant, local architect Peter Lambert and co-operative consultant Nick Murgatroyd advising on the management, legal and financial aspects, was undertaken to generate interest and support from the local authority. Basic proposals were drawn up for essential works to the building. The co-operative achieved credibility and was able to negotiate with the council for financial assistance.

The building offers 35,000sq ft of space and basic repairs will cost approximately £130,000. It has been estimated that self-build work on individual floors, serviced space could be available for under £10 per sq ft.



Although the Ouseburn Warehouse has passed the initial feasibility stage and received some local funding, the real success and continued development of the project is dependent on the raising of £100,000 for the capital works required to meet statutory regulations. The co-operative has identified the separate costs needed to cover particular parcels of work, thus enabling potential funders to contribute to a specific part of the whole phase one development. Long term, once the capital works are completed, the co-operative hopes to be self-financing by acquiring a 99-year leasehold and subletting space to its

member organisations.

There are currently 40 people using the warehouse space for their particular enterprises. The full realisation of the project will bring a significant building back into positive use and provide economic space for small businesses and community arts/educational/recreational organisations.

The assessors comment: "Such a project is a development of the concept of managed workshops, identifying local social entrepreneurs, developing their own business skills leading to running an organisation which will make its own way, evolving according to need".

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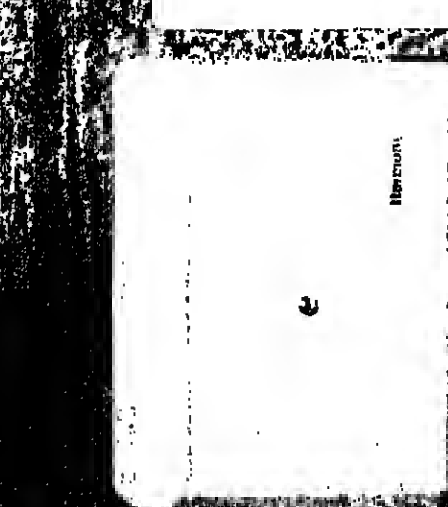
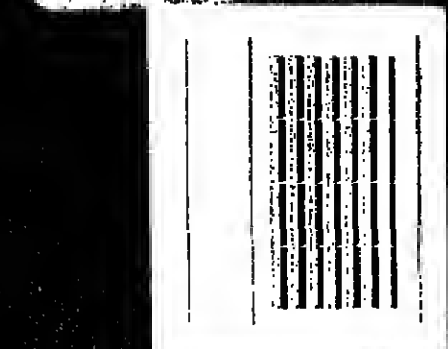
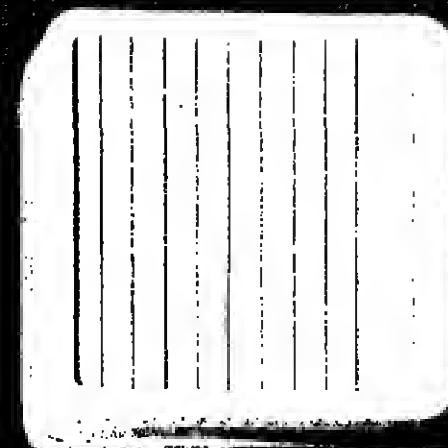
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Community Enterprise Awards



Award: Calvey Cooperative, Barlanark, Glasgow. Calvey Co-operative Ltd

THE Calvey area of Barlanark is an isolated post-war housing estate with poor transport and community facilities and high unemployment and social deprivation.

In 1983 the local tenants formed a "street committee" to discuss the problems of their neighbourhood and act as a pressure group to improve their environment. The council approached the tenants and together it was decided to try and set up a community controlled co-operative (non equity sharing housing co-operative). The tenants subsequently appointed a Co-operative Steering Committee, who, with the support of the council, appointed consultants to undertake a feasibility study of the area, with a view to testing the viability of creating a co-operative.

Based on the ensuing feasibility report, funding was applied for through the Glasgow District Council to the Scottish Development Department. Owing to the tenacity of the co-operative, following initial refusal of the package, tenants were finally offered funding through the Scottish Housing Corporation, eliminating Glasgow District Council altogether from the finances.

The co-operative involves a total of 366 flats comprising eight flats per close in four-storey tenement buildings. The construction costs, which cover environmental works, repair and some internal improvements, are estimated to be £5m.

This concept offers tenants the unique opportunity to have a large measure of control in their day to day living environment and effective management and maintenance of their own housing stock.

The assessors were most impressed by the close co-operation between the Glasgow district council, the Steering

Award: Hoxton Street renewal project, London. The Hoxton Trust

FORMERLY a lively area, with a colourful street market and strong sense of neighbourliness, Hoxton Street in Hackney had progressively deteriorated during the 1970s as a result of falling population, high unemployment and loss of local trade to multiple stores.

In 1981 the Shoreditch Festival, a local group specialising in family entertainments in the area, became very concerned at the increasing dereliction of central Hoxton and its street market. Covent Garden Housing Project's architects prepared a scheme for the development of 150-176 Hoxton Street and obtained government funding for it. To ensure the development of this scheme, the Hoxton Trust was formed and registered as a company in 1982.

The quality and speed of the redevelopment has generated much private commercial investment in the centre, with market pitch bookings increasing and local traders spending money to improve their premises.

Tangible results of the trust's

work include:

- The transformation of a derelict site into a lush garden with terraced shrubberies, completed, with the installation of a salvaged clocktower as a local landmark, at a cost of only £41,000.
- The refurbishment of the buildings to provide two shops, five housing association flats, offices for the Shoreditch Festival and Hoxton Trust, and workshop and storage areas including a propagation unit.
- The re-establishment, as a feature of the market, of a picnic and refreshment shop, refitted by a local businessman with traditional and expensive materials.
- The construction of a BMX bicycle track.
- The landscaping of local parks and the establishment of a gardening service for pensioners.

Looking to the future, the trust has acquired derelict land for a housing association development of sheltered flats, produced plans for new student accommodation. The trust is also fighting vigorously for the retention and development of historic poor house buildings in Hoxton Street, which the District Health Authority has provisionally decided to demolish.



Award: Cardiff City Farm, Cardiff City Farm Trust

IN 1978 a group of local people living in a deprived urban area of Cardiff became interested in the possibility of reclaiming and developing wasteland sites. With the intention of initiating the first urban farm in Wales, they formed the Cardiff City Farm.

With the help of a local architect, a suitable site was found and plans and proposals drawn up. In April 1979, following planning consent and initial funding under the Urban Programme, work began to transform a four-acre former refuse tip in Grangetown, Cardiff, into Wales' first urban farm.

The aim of the farm is to revitalise and cultivate waste land to provide a wide range of amenities for the community including gardening, vegetable growing and animal husbandry. The City Farm enables all members of the community to develop first hand experience of rural activities in their own neighbourhood on a daily basis, as well as providing considerable educational, leisure and recreational facilities. Activities to date include a farmhouse (with goats, pigs, ducks and



hens) pottery workshop, a fish farm and community gardens growing a variety of flowers and vegetables.

The initial construction costs of approximately £52,000 have been met by the Urban Programme, with Monpower Services Commission funding for the labour costs and additional financial assistance from the local authority.

donations and various national and local trusts helping with the costs for the buildings, equipment and environmental improvements.

The farm is now a registered charity and a voluntary body which aims to be mainly self-supporting through the services offered, and the generation of income from farm produce. As the assessors commented:

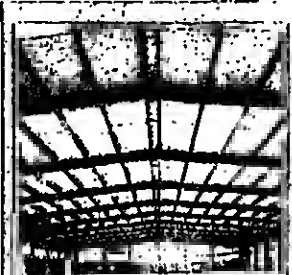
"Although the project is at an 'intermediate' stage, it is a very exciting place to be in and has enormous potential for the future."

Competently run by hard working idealists, and supported by local business, it makes an important contribution to the local community, largely through the community's own interest and involvement."

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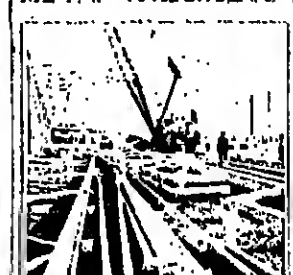
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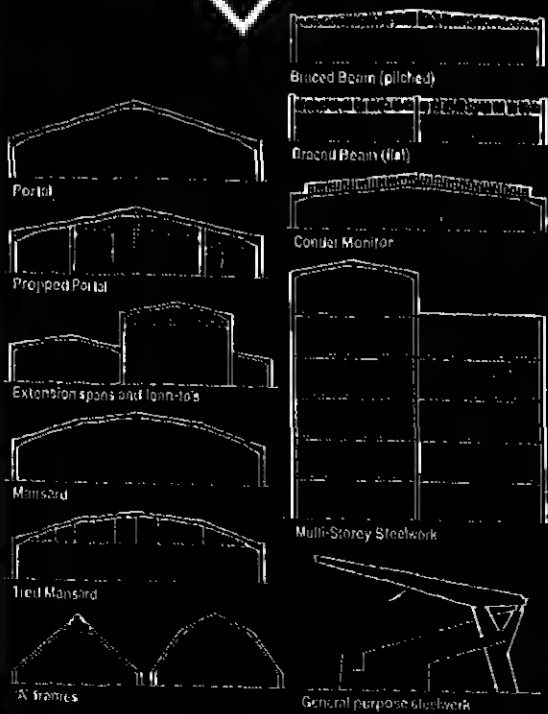
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Award: Zenzele self-build housing for the unemployed, Fishponds, Bristol. Zenzele Self-Build Housing Association

IN 1982, at the initiative of local JPs Stella Clarke and Project Full Employ Worker, Tana Adebiyi, a scheme was set up to enable young unemployed youths from the St Pauls area of Bristol to build their own flats on a self-build basis.

The primary objectives of the scheme were to give young untrained people an opportunity to develop work experience and useful skills, to provide improved housing for those living in either rented accommodation or crowded family houses and, most importantly, to engender a sense of optimism and motivation for the future.

A Bristol Committee of Advisers was formed to work with the self-build groups. Together they discussed all issues ranging from programming and fund raising to building design. Funding was ultimately obtained through the Housing Corporation on their

normal self-build basis (which means that at the end of the project the Housing Corporation loans are repaid from individual mortgages). Further financial and moral support was raised from various local professional bodies and institutions to cover bridging loan problems. The Bristol & West agreed to pay the mortgages on completion, the National Westminster Bank agreed to an unsecured overdraft facility of £1,000, and the DHSS guaranteed to pay the interest on the self-builders' mortgage repayments in the event of their not finding employment on completing their housing. This enabled the scheme to be entirely self-funding.

Work started on site during May 1984 with occupation following in the summer of 1984. Twelve one-bedroom flats with a communal laundry and garden have been provided at a cost of approximately £144,000 including land cost, site works, communal facilities and professional fees. Eleven of the 12 group members have now found full-time employment and four have formed their own building company.



Community Enterprise Awards

Commendation: Hemsworth Water Park, West Yorkshire. Hemsworth Town Council

FOLLOWING local pressure, due to the loss of an existing water amenity area, Hemsworth Town Council initiated the Hemsworth Water Park project to provide water based and rural recreational facilities for a deprived urban area, previously dominated by the coal industry now with high unemployment.

The town council has parish council status and comprises 15 councillors. The only professional staff are one part time clerk and an assistant. In 1983 the town council purchased a 10.9 ha piece of land from existing funds and, in consultation with various local community organisations,



voluntary groups and professional consultants, developed plans to create a country park based around two lakes with a clubhouse/community centre.

Phase 1, including landscaping, a fishing lake and a nature area, was constructed at a total cost of approximately £92,500, with council funds topped up by a grant from the Countryside Commission.

Commendation: Frinton & Walton Heritage Centre, Walton-on-the-Naze, Essex. The Frinton & Walton Heritage Trust

SINCE its foundation in 1984, the Frinton & Walton Heritage Trust, a registered charity affiliated to the Civic Trust, had recognised the need for a base and exhibition centre. The group consists mainly of retired people who want to use their skills and energies to improve their local environment and amenities.

The Heritage Trust identified the Old School House at Walton-on-the-Naze as a possible location for their activities, although it was at that time in a poor state of neglect and dilapidation. They negotiated a 21-year repairing lease at £5 per annum rent with



Tendring District Council and set about raising the money required. Early fund raising efforts brought in £4,000 which has subsequently been spent on cleaning and repairs.

The trust expects to be able to cover its running costs in the future from exhibitions, but is still seeking further funds to enable public access to the "Buildings" gallery level.



Commendation: Vivat Ware, Hertfordshire. Vivat Ware Working Party

IN the early 1970s the ancient town of Ware, situated by the River Lea in Hertfordshire, was suffering from progressive decline and economic depression owing to a whole range of environmental and planning problems. Recognising this, the urban district council (UDC) of Ware and the Hertfordshire County Council considered that a study should be undertaken to determine an enhancement programme for action. In 1973 they appointed architects Rock Townsend to undertake a feasibility study of the town to identify its current problems and potential for future development and rejuvenation.

Vivat Ware, the report published in October 1974, gave a thorough analysis of the fabric of the town, in terms of economic, social and physical characteristics, and examined ways in which existing resources could be used to revitalise Ware. Although initially a basis for discussion, the report in fact became a vehicle for action by encouraging discussion between consultants, the council (now Hertfordshire District Council) and local groups, and promoting the "enabling" of a programme of improvements for Ware.

An advisory committee, reconstituted as the Vivat Ware Working Party, comprising

district councillors, members of the Ware Society, members of the Chamber of Trade, planning and conservation officers and the architects, became the formal agency responsible for implementing the recommendations.

The potential of Ware is gradually being realised with the raising of commercial values to provide finance and planning gains for rehabilitation, and the improvement of urban and environmental design. Most significant, has been the engendering of a spirit of enthusiasm amongst the local community and the sound development of their commitment to the aims and objectives of Vivat Ware.

The project continues as a community enterprise, with ongoing consultancy from the architects. Achievements to date include: the constructive use of derelict sites; the identification and refurbishment of redundant buildings; the registration of Ware with the British Archaeology Council as an outstanding town; considerable improvements to historic buildings including the 18th century gables, a unique feature of Ware.

The assessors comment: "Community opposition has been transformed into positive and effective action and there are many lessons to be learnt from the approach adopted here, not least the way a local group, local authority and a professional can work together as a team. Vivat Ware deserves to be emulated."

Commendation: The Burnley Mechanics, Lancashire. Burnley Borough Council

ONE of the finest examples of Classical architecture in the town, the Burnley Mechanics building, originally built as a literary and scientific institute, and now owned by Burnley Borough Council, was vacated by its former tenants in 1979.

The council immediately resolved to make the building, which had been a centre of education and craftsmanship in the 19th century, structurally sound and weatherproof. In 1982 the council took the lead in a further decision to refurbish the building, enabling it to be brought back into public use as an arts and entertainment centre with opportunities for training and employment. The work carried out to make the building structurally sound, together with the extensive refurbishment scheme, was funded mainly by the borough council but with the help of grants from the Historic Buildings Council, the Arts Council of Great Britain, the English Tourist Board and funds from the original Mechanics Trust. In addition, the Burnley & District Arts Council are



working with the borough council to launch an appeal for further funding.

The Burnley Mechanics will provide a range of arts and entertainment facilities including a 400-seat, fully equipped theatre on the first floor, (which can be adapted for use as a dance or banqueting hall), changing rooms, two bars, a large ground floor circulation area, coffee shop and a nationally networked tourist information centre. It is intended that the lower ground floor of the property will be

occupied by the Mid-Pennine Arts Association and converted for use as an arts gallery with practical workshops for arts training.

The conversion of the Burnley Mechanics to a multi-use arts and entertainment centre provides, in a recognised building of architectural interest, a platform for professional and amateur events covering a full range of cultural and social activities and establishes a base from which work can be extended into the community.

Commendation: Lea View House, Hackney, London. Lea View House Tenants Association

LEA View House, heralded as "Heaven in Hackney" when it first opened in 1939, had, by the 1960s, become a rundown hard-to-let estate hated by its tenants who had no choice but to live there.

Out of desperation, by the late 1970s, the tenants had forced their way onto the council's priority list. In autumn 1980 architects Hurl Thompson Associates were appointed by the London Borough of Hackney, with a brief to keep the tenants on the estate. From a project office set up in one of the empty flats on the estate, the architects conducted a thorough survey of the buildings and the tenants. By taking the tenants as the clients and reaching a proper understanding of their problems, the architects developed new ways of using the existing buildings so that every type of household need could be recognised, respected and entered for.

Throughout the project, now at its halfway stage, tenants



have been involved individually through the customisation of their own homes and collectively through their tenants association.

The first new homes were completed in June 1983 and the first half of the project (125 out of 228 new homes) is now complete. The £6.5 million rolling programme (funding from the London Borough of Hackney) will be finished by spring 1988. It is already evident that the tenants' lives have been transformed and there is a new

sense of community spirit on the estate. Vandolism, mugging and crime have been virtually eliminated, communal areas remain clean and cared for. Fuel bills have halved and condensation, a major problem at the start, has now been cured.

"As an example of the potential of some 'difficult' council estates, Lea View is the standard to be aimed at," commented the assessors. "Other council's have much to learn from Hackney's Lea View House Project."

Commendation: The Bedales Barnyard, Bedales School, Petersfield, Hampshire. Outdoor Work Department, Bedales School

IN 1980 the Outdoor Work Department of Bedales School was offered a disused 18th century barn from nearby Selbourne as a centre for the department's tree industry and local conservation work. The barn was dismantled, transported and reconstructed within the school grounds by the pupils themselves, under adult supervision. Three years later a second barn from Alton was added, forming a barnyard.

The project was funded in part by the Hampshire County Council and local business sponsors, by the generosity of old Bedalians and parents, and the fund-raising efforts of the pupils which accounted for about one third of the cost.

The Outdoor Work Department concentrates chiefly on trees, both producing and selling them, and labouring in neighbouring woods and gardens for two thirds of professional costs, as well as working with local conservation



groups. It was revived in 1975 by the pupils, who wanted to "become more involved in the running of Bedales estate and the economy of the community". Together, the two barns will provide large covered work areas, carhouse, strongroom, stable and forge, toolhouse, lavatory and a kitchen with a baking oven.

The assessors commented: "The school's motto is 'Work of each for Weal of all' and... (we) were enormously impressed that both pupils and staff were living up to it. There has been a genuine attempt of involving those outside the 'closed' community of the school... and this is likely to blossom once the building work is completed."

Commendation: The Etherow Centre, Broadbottom, Cheshire. The Etherow Centre Trust

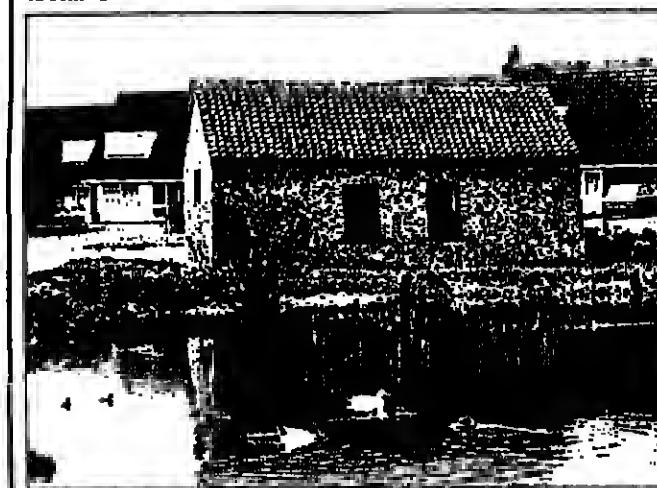
LOCAL residents were concerned when a former British Rail warehouse, standing in the centre of the attractive stone-built village of Broadbottom, was allowed to deteriorate because of disuse. However, it appeared to offer possibilities for conversion to a community centre for the village.

In 1981 Broadbottom Community Association contacted architects Community Urban Regeneration who produced a scheme for converting the neglected warehouse into a riding school for the disabled on the ground floor, and a gymnasium and keep-fit facility on the upper floor. Following the receipt of a grant from the RIBA to conduct a structural survey and feasibility study, the association attempted to purchase the building. They were not successful however until 1985, when they effected purchase with a grant from Greater Manchester Council, and formed the Etherow Centre Trust. Work began on the project in November 1985 after the trust received an Urban Programme Grant from Tameside Metropolitan Borough Council, and further funding from Greater Manchester Council, Zochonis Charitable Trust and the Sports Council. It is still to be confirmed.



When Phase 1 is completed in summer 1986, the Etherow Centre will house an indoor arena for riding for the disabled plus a spacious first floor gymnasium for able bodied and disabled gymnastics. Also included will be an exterior access ramp to the upper floor enabling any group to use the viewing area, meeting room and refreshment facilities. The building will bring together both the able-bodied and the disabled in the pursuit of sport. Although the needs of the handicapped will always have priority public use is encouraged.

The assessors were impressed "with the original concept of a new use for a redundant building... (and) the very imaginative design by Community Urban Regeneration". Above all, they felt that "they had opened up a real community project for the handicapped people in a wide area and coupled this with facilities for local use".



Commendation: Community Call In, Ashill, Thetford, Norfolk. Ashill Village Aid

COMMUNITY Call In was initiated by Ashill Village Aid (AVA), an active community support group formed in 1978 to provide services for the elderly people of Ashill, who account for a large majority of the village population.

The "Call In" concept developed following a village survey by AVA, which showed the need for a village meeting place that was accessible for elderly people with restricted mobility and close to the shops and post office.

Following the receipt of an RIBA grant in 1982 a viable

scheme was produced for the conversion of an old disused agricultural storage building, in an ideal location by the village pond. Negotiations with the Manpower Services Commission secured free labour for the building work, and grants provided by various organisations, (including Help the Aged, Age Concern and Social Services), were supplemented by fundraising events organised by the AVA.

The Call In was opened in July 1985, to widespread support and considerable interest. It is hoped that the project will eventually be self-supporting through charges for activities provided.

The assessors commented: "a good example of community effort in a rural setting and worthy of a Commendation".

INTRODUCING

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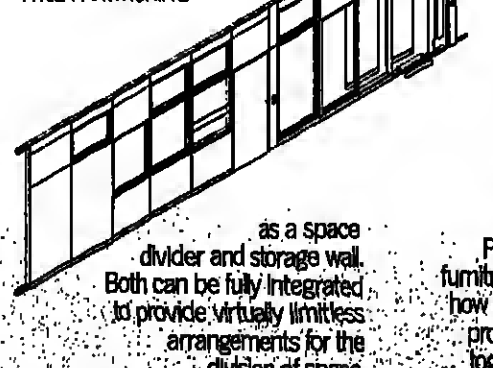
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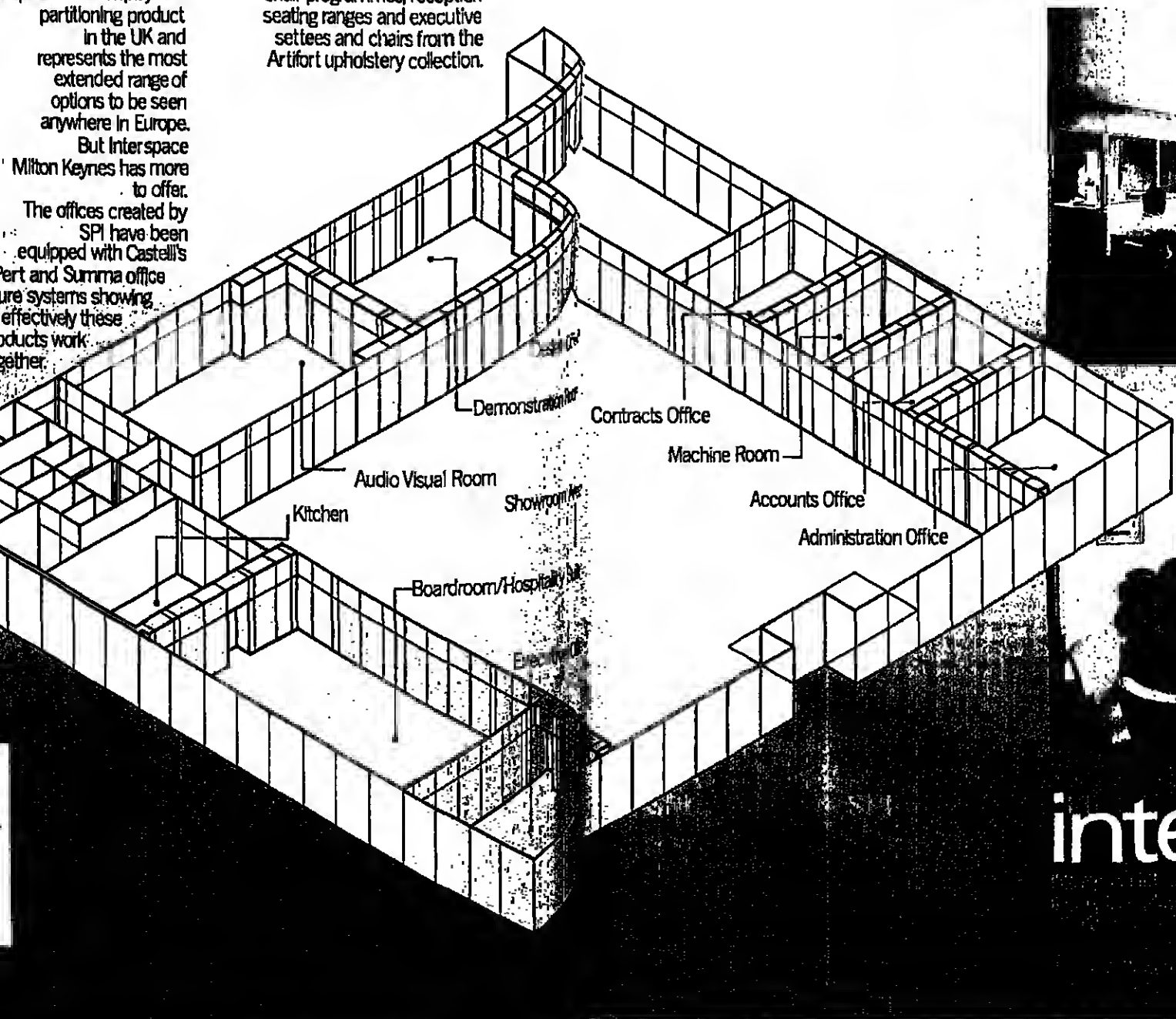
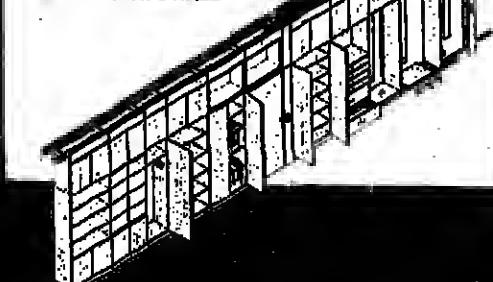
In fact the entire Castelli collection including the Dolmen executive programme, Axis auditorium seating, Trust table system and several ranges of stacking and linking chairs can be seen in an imaginative static display and working environment. There are also four office chair programmes, reception seating ranges and executive settees and chairs from the Artform upholstery collection.

But Interspace Milton Keynes has more to offer. The offices created by SPI have been equipped with Castelli's Part and Summa office furniture systems showing how effectively these products work together.

TW12 PARTITIONING



SW12 STORAGE WALL



interspace

Community Enterprise Awards

Commendation:
Breadline project,
Penzance, Cornwall.
Breadline

IN November 1982 the Penwith Youth Development Council carried out a survey among local young people, which confirmed the need for a meeting place for the young unemployed. It was intended that the centre should provide a much needed base from which the young people could get involved in constructive activities of benefit to both themselves and the community.

A sub-committee entitled the Penzance Youth Forum was formed and commenced fund raising to help put its plans into motion. In consultation with the district council, a redundant building was identified as a possible venue for Breadline. The district council agreed to lease the premises to the Breadline Committee on a 21-year lease at £10 per annum. Manpower Services Commission agreed to supply the labour to convert the building and a local architect (Mervyn Lloyd, carried out a feasibility study and



obtained planning consent for the project.

While funding came from various sources including the County Youth Service, churches, the Rotary Club, the Lions Club, and several charities and trusts, the bulk of the money was raised by the young people themselves through many enterprising fund raising events.

The redundant warehouse was converted at a cost of £20,000

(materials only) to provide a meeting room, coffee bar, kitchen, office, workshop, project rooms and lavatories.

The centre opened its doors on October 1, 1985, and is now run, by a voluntary management committee of young people assisted by a part time youth worker. The Breadline continues to plan fundraising events to enable further work to be done on the building and more activities to be generated.

**Commendation:**
Shepherd's Bush
Pedestrian Bridge
Recladding, London.
Shepherd's Bush
Improvement Group

THE pedestrian bridge which occupies a prominent site at one end of Shepherd's Bush Green was about to undergo a facelift in the form of new aluminium cladding. Hammersmith &

Fulham Borough Council, responsible for the operation, decided to consult the local community association, Shepherd's Bush Improvement Group (SBIG), about the proposed colours for the new cladding.

SBIG, made up of local residents, local businesses and other local organisations, immediately saw the opportunity to come up with a scheme for the recladding that would improve their environment and make the bridge something of a landmark. The GLC, who were funding the recladding, gave their permission for SBIG to submit designs, and Hammersmith & Fulham council agreed to withdraw their submission.

Determined to involve the whole community, the SBIG organised a competition to redesign the covering on the bridge with a first prize of £100, and the possibility of seeing the realisation of the winning design. The competition was advertised in a SBIG bulletin and a local Shepherd's Bush newspaper, *The Gazette*. Prizes were donated by the *Gazette* and local shopkeepers.

The competition was won by a retired park attendant who came

up with a scheme to disguise the overhead bridge as a train — the pedestrians crossing becoming passengers to be seen through the open windows in the cladding, giving, in the words of the winner, "life, colour and movement" to the bridge. He suggested that the group should approach various transport organisations to raise sponsorship.

British Rail subsequently agreed to sponsor the bridge — which became an Inter-city 125 train. They agreed to provide paint and other details for authenticity, to cover the costs of electricity to light the bridge and to maintain its exterior. The GLC met the material costs prior to its abolition and a residuary body will meet the construction costs.

It is expected that the scheme, which was approved both by the local planners and the DoE, will be completed early this summer.

The assessors commented: "The energy and ingenuity of local people in taking over this project from the local authority, and making it work, greatly impressed us... everyone was involved; local residents and shopkeepers, the local newspaper, local authorities and commercial sponsors".

Commendation: Avalon Corner Housing
Co-operative Ltd, Glasgow

SINCE the 1960s the Avalon block, a 19th century tenement building in the centre of Glasgow, had been in desperate need of modernisation and repair. By the early 1980s, the tenants of the Avalon block, faced with the prospect of their building being demolished and the ensuing break-up of their community, joined together to form an action group to save their homes and make them a decent place in which to live.

The group decided to investigate the possibility of becoming a Port Vale Co-operative, and contacted other housing co-operatives for advice and guidance. They approached the Glasgow District Council who agreed to commission a feasibility study to assess the economic viability of rehabilitating the block. The ensuing exercise demonstrated that in financial terms the property was worth saving.

On the strength of the feasibility study, the Housing Corporation accepted the co-op's registration and granted approval to the project in principle. The Avalon Corner Housing Co-operative appointed The new Housing Association to provide development, financial and general administrative services to the co-op and the district council made a

promotional grant of £5,000 to get the project underway.

Assisted by architects, surveyors and engineers, the co-operative carried out a new survey of essential repairs, and visits were made to other tenement rehabilitation schemes to help make decisions on design and specification issues.

In October 1985 tenants of the Avalon block moved out of their homes in temporary accommodation borrowed from the district council and other housing agencies, to enable work to commence on site.

On completion there will be 27 flats and two shops refurbished at a cost of £640,000. The project will be managed co-operatively, possibly with one part time member looking after housing management, and members of the co-op trade skills joining a maintenance squad to carry out most of the simpler tasks.

The assessors were impressed by "the strong sense of a community re-establishing itself firmly in the area it wanted to live in".

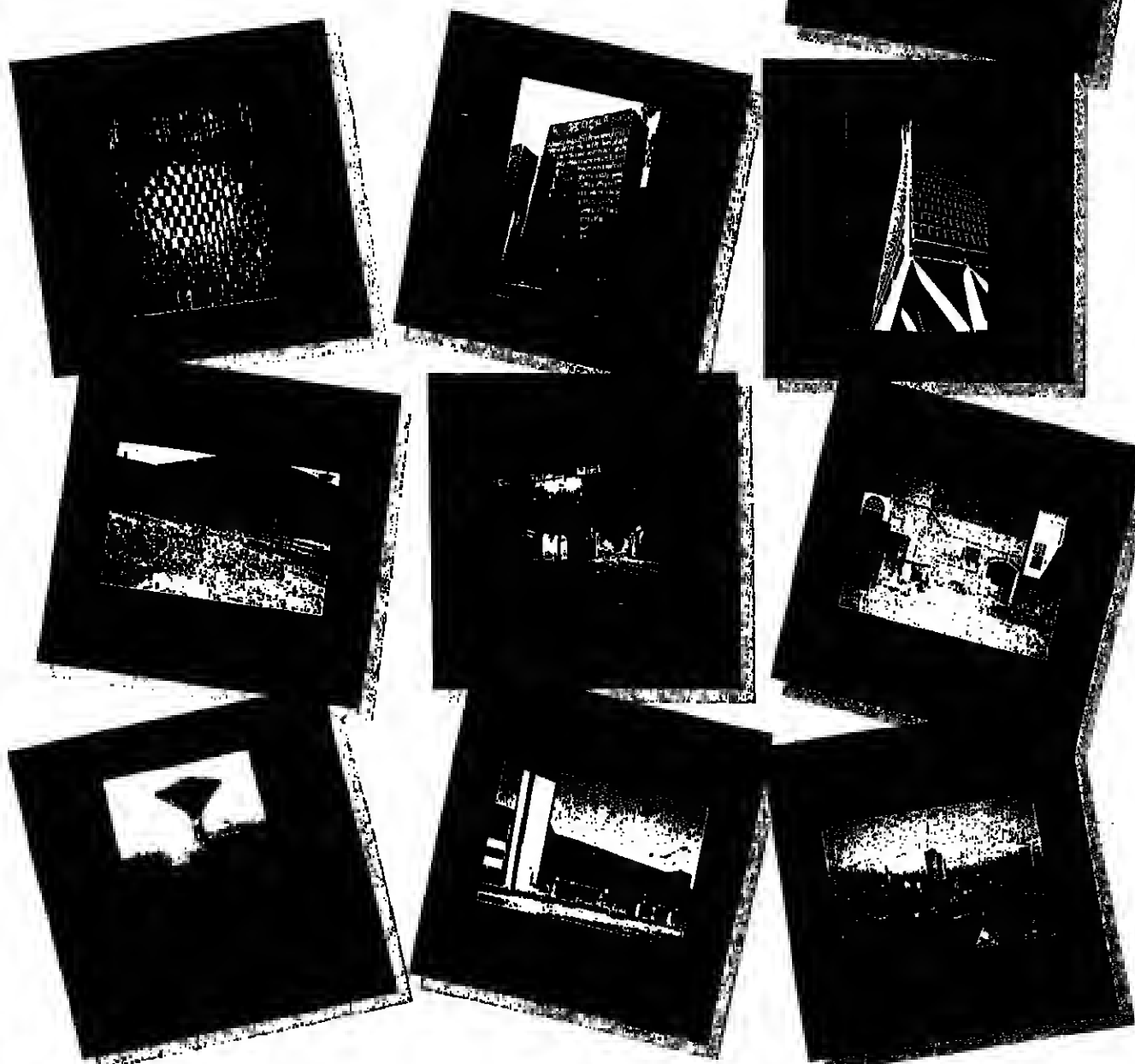
The housing was seen to be generating "a potent source of energy for urban renewal that went beyond the provision of housing for the tenants". A picture of this project will be published when available.

Honourable mentions

Spital Community Hall, Rutherglen, Glasgow.
The Aorn Venture Urban Farm Community Garden, Kirby, Merseyside.
Queen Street Mill Project, Burnley, Lancs.
Shorefields Village, Toxteth, Liverpool.
Proposed Workshop Units, Cowley, Oxon.

Corn Street Development, London.
Let's Build Limehouse Together, Limehouse Basin, London.
The Eldon Housing Co-operative Village, Nature Gardens, The Eldon Housing Co-operative and the Eldon Housing Organisation.

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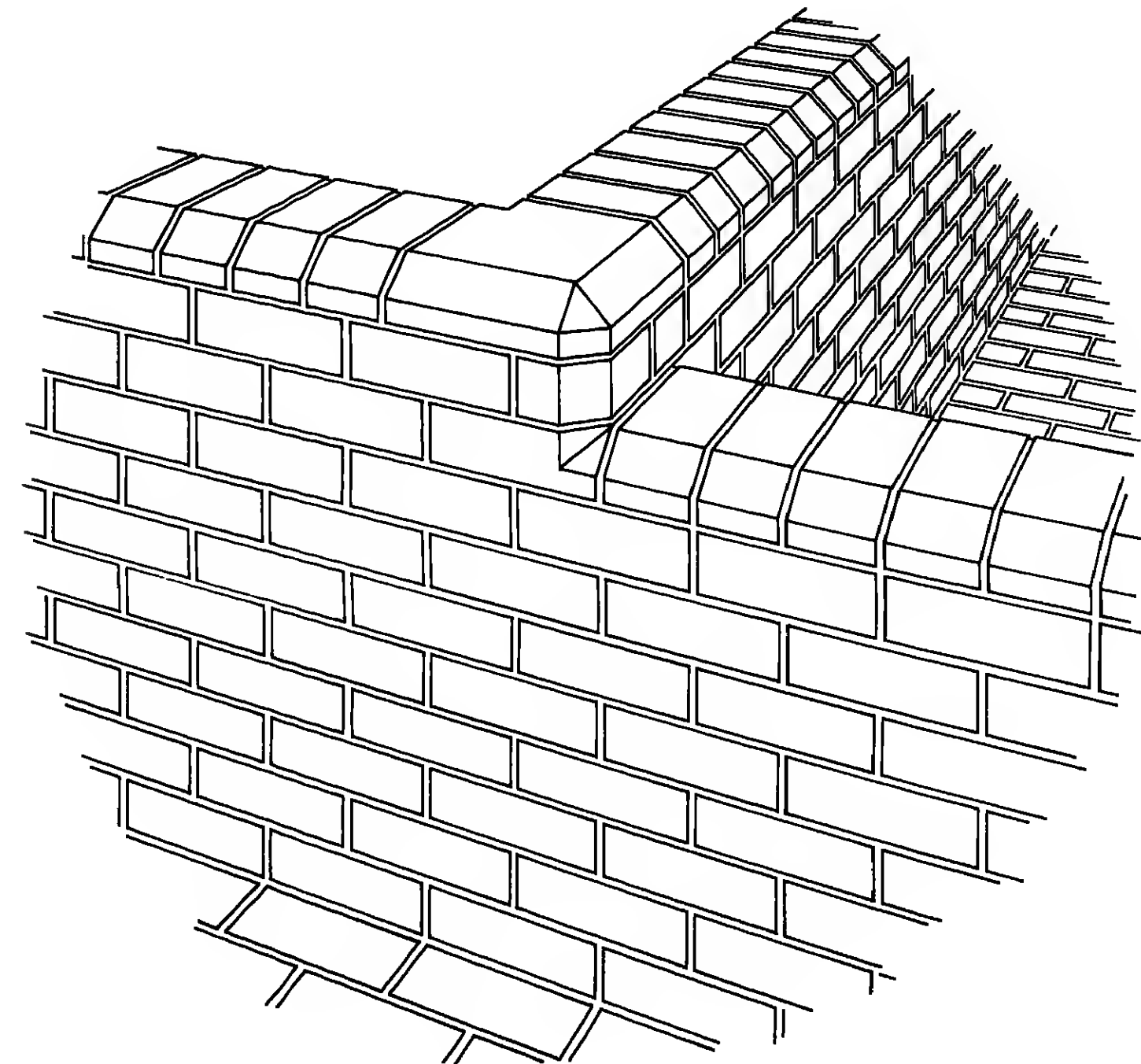
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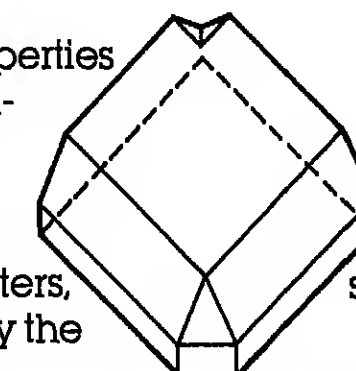
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Architect: Alec French Partnership, Bristol.

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Retrospective

UNDER THE SHADOW OF CORB

Judi Loech reviews the first exhibition to assess Amédée Ozenfant.

THE first retrospective of Amédée Ozenfant is presently touring France. This painter obviously has a special interest for architects because of his close association with Corbusier, but it is perhaps precisely for this reason that we have not considered him seriously in his own right; indeed the catalogue compiled to ac-

company this exhibition (originally written as an MA thesis) contains the first attempt to detail his entire oeuvre. The exhibition therefore offers an important opportunity to reassess Ozenfant's status since it brings together an unprecedented array of his works, and in particular because it includes many early works

which have rarely been exhibited in any major art galleries.

The exhibition was initiated by the Musée Antoine Lécuyer in St Quentin, a municipal art gallery, which should be congratulated for having the courage to undertake such an ambitious project — including arrangements for the exhibition's subsequent tour — when more prestigious institutions had neglected to mount an Ozenfant retrospective. This has added to significance of the exhibition in that it was prepared, and first shown, in the very town where Ozenfant was born and grew up. Today St Quentin is a typical medium-sized town in northern France, but in the late 19th century (Ozenfant was born in 1886) the surrounding region, between Paris and the Channel ports, was one of the most advanced industrially in the whole country, a place where progress and technology were bywords. The painter's father was a builder, interested in exploiting the latest materials and techniques, notably reinforced concrete. Ozenfant was mad about cars, attending virtually every grand prix meeting in France and, together with his brother Jean, he designed the chassis for his own sports car in 1910-11.

His artistic studies began with the drawing classes of the local art school, named after Delattre, the most famous artist raised in St Quentin by the late. Ozenfant must have become very familiar with Quentin Delattre's own work, since these delicately toned pastels from the late 18th century comprise the major feature in the local art museum. Seeing them alongside Ozenfant's own works one cannot help but speculate that they influenced his palette, and encouraged him to explore the subtleties of tone exemplified by the earlier portraitists. Overall the exhibition surprises one by the amazing quality of Ozenfant's technique.

In 1905 Ozenfant began to take courses in decorative art at Paris, but did not leave St Quentin, nor the drawing classes at the art school there. The following summer he made the crucial break with his home town and did not go to Paris but to Holland, to an artist's colony at Laren (near Amsterdam), in which he stayed until the end of the year. Since this offered him his first opportunity to spend considerable time visiting art galleries of international standing it is perhaps the Dutch rather than the French collections which were his greatest influence during his formative stage.

Sometime in 1907, however, he moved to Paris, where for a while he complied with his father's wishes by studying architecture as well as painting. But he soon gave up architecture and changed art school. He was moving in artistic circles dominated by unadventurous but fairly successful painters, and was encouraged to exhibit in the conservative Société Nationale

Ozenfant's studio by Le Corbusier.

des Beaux-Arts and in the Salon d'Automne. His work, mainly landscapes, was at this point strongly influenced by the symbolists. He was at the same time not only enjoying all the usual attractions of the capital — museums, concerts and lectures (not on art but on mathematical philosophy and the history of music) — but was also getting involved in an avant garde literary circle inspired by Enlightenment writers and philosophers, and by Russian authors. He was also visiting Diaghilev's Ballet Russe (with scenery designed by Bakst and other overtly modern artists). He actually made several long visits to Russia, following his marriage to a Russian painter in 1910. He was far more advanced in his intellectual and artistic development, and Apollinaire went so far as to say that he was a well-read futurist.

The turning point came in 1914, when he bumped into the neo-impressionist painter, Signac, during a summer holiday in Savoy. Signac advised him to visit Sisteron, a Provençal hill town perched in the lower Alps. A sketch from his visit there shows how his austere architectural forms impressed him, and were accentuated by him in a way which would be developed later in Purism.

These holidays were interrupted by the outbreak of war. Ozenfant returned to Paris but nearly all the leading avant garde painters (currently dominated by Cubism, but also espousing Futurism and ab-

straction) fled, leaving behind a few foreign painters notably Picasso, Juan Gris and Severini. As a result the tightly-knit coterie of the established avant garde disintegrated, art magazines were no longer published, nor exhibitions held on a regular basis in some galleries permanently. Such a chaotic, but fluid, situation was to facilitate Ozenfant's ascent.

Refused by the military service (his health had been extremely delicate from infancy) he worked in the publications department of the Propaganda Service, producing striking posters and postcards of coloured postcards. This technical experience together with the prevailing cultural vacuum enabled him to launch a new literary and artistic magazine, *L'Elm* (spirit, or vigour), remarkable for its careful choice of typefaces, its layouts, the quality of its colour printing and its inclusion of specially commissioned woodcuts or of hand-coloured engravings. It increasingly associated itself with the remaining avant garde painters, while patronising younger or otherwise lesser known painters and publishing writers of other schools of thought (Apollinaire was a regular contributor). It brought Ozenfant into a milieu of avant garde painters, including Picasso, Lipchitz, Matisse, Braque, Lauren, Gris and Severini, and the architect Auguste Perret, who was a close friend and neighbour; it also brought him into frequent contact with

writers such as Apollinaire and Paul Eluard. The intellectual tone of Ozenfant's own aesthetic interests was reflected in the journal's inclusion, for instance, of an extract from Plato's *Philebus*, Socrates' definition of beauty in this passage as "straight and circular" and works of this kind, planes and solids filled in around them, and similarly some objects made with the ruler and set-square foretold the ideals which Ozenfant would shortly develop within Purism.

Sadly financial problems forced the closure of *Elm*, but the last edition contained Ozenfant's first theoretical text, a daringly critical review of Cubism, in which he used the term "Purism" for the first time. Although this essay was most pertinent then for its warnings about the outcome of trialism — for Cubism was widely being reduced to a decorative mode — its continued interest is due rather to its anticipation of Purism. For here Ozenfant argued against Cubism's "fourth dimension", encouraging a return to more orthodox perspective and volumetric representation, and against abstraction, again engineering a return to the object itself and to its more realistic depiction. It was here too that he categorised Cubism as "a purist movement" — alongside French painters of the late 19th and early 20th century (Ingres, Cézanne, Seurat and Matisse) and artists from markedly different cultures ("the great tradition of the great Assyrian, Greek and Chinese plasticists and of wonderful anonymous negroes").

Yet at this very moment Ozenfant's painting began to "free itself from any appearance of immediate reality", as he put it. A few months later Perret introduced him to Corbusier (or rather Jeanneret) who had recently settled in Paris with the idea of working as an architect and builder and of mass-producing his Domino house. The young Swiss architect, as yet outside avant garde art circles, was excited by Ozenfant's latest explorations. In the course of the friendship which rapidly blossomed between them, Corbusier undoubtedly provided Ozenfant with much of the encouragement necessary for the theoretical and painterly developments which would soon be known as Purism, whilst Ozenfant persuaded Corbusier to take up oil painting.

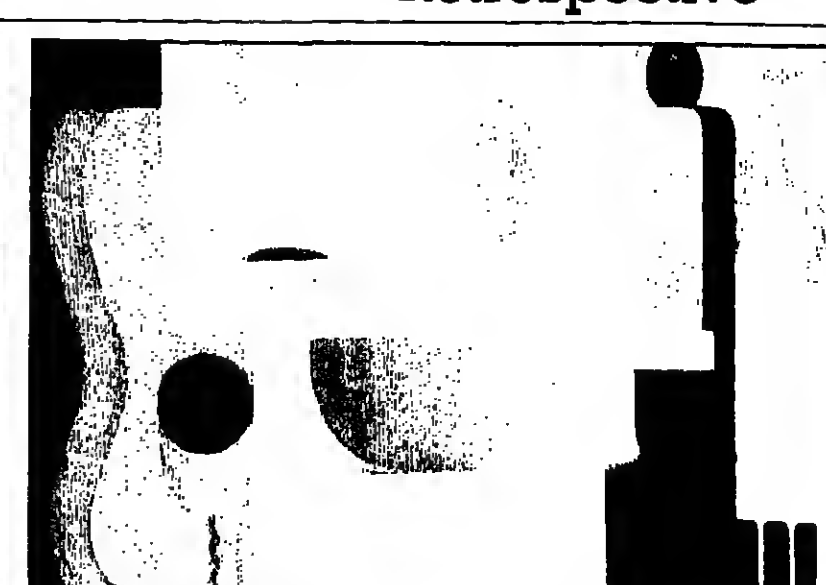
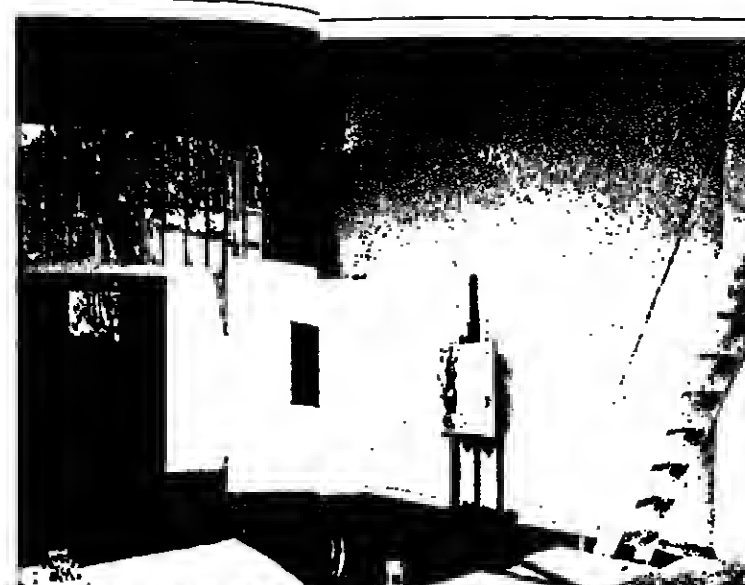
Ozenfant had taken on the administration of the open house, run for artists by the wealthy entrepreneur Germaine Bougard Poiret, where exhibitions (dominated by the Cubists, but in which Ozenfant nevertheless appeared) and musical evenings took place. It was here that Ozenfant and Corbusier held the first Purist exhibition, late in 1918. It is important to realise that Corbusier had only taken up oil painting a few months earlier and was author of only two of the paintings displayed on this occasion. While the current exhibition

demonstrates how undeniably Ozenfant's best work was produced during the period of his partnership with Corbusier, it is equally true that he had almost brought Purism to fruition before he ever met Corbusier. The exhibition cannot hide the fact that, from the late twenties onward, his work is increasingly disappointing, even embarrassingly banal; the reason for this, lies in a subsequent change in Ozenfant's beliefs which in turn

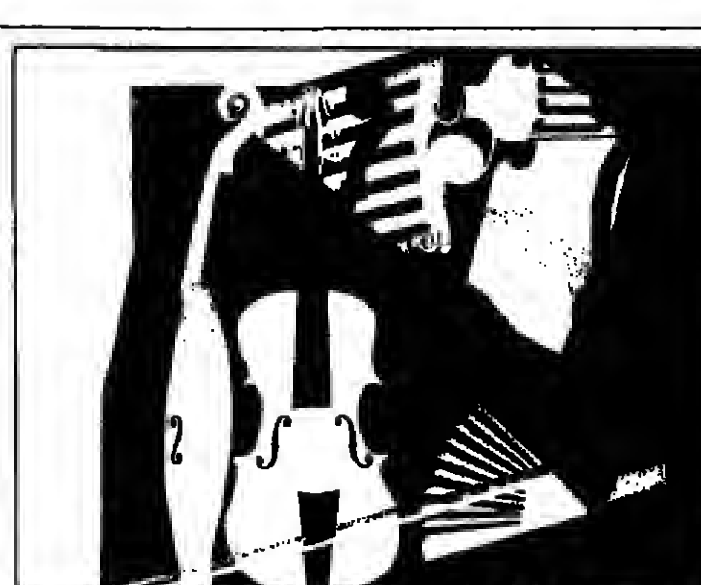
would make collaboration with Corbusier no longer possible. From 1925 Ozenfant, the founder of Purism, began to challenge the dogma into which it had evolved. His painting "Woman and Fountain" (1921) — and this is referred to pre-industrial society. At this point he deliberately turned away from the mainstream of art — to the east of his own painting.

Undoubtedly his finest paintings were produced in the years 1918-25, between his meeting

with Corbusier and his rejection of industrial society. But it is perhaps merely coincidental that this is the period of his partnership with Corbusier. Perhaps the time is right to reassess Ozenfant, because the current state of architectural criticism, at last, allows us to see that his contemporaries may have been afraid to listen to the challenge to Modernism raised by one of its most intelligent and literate proponents.



Still life with glass of red wine, 1921.



Yellow violas, or Still life with violin, 1919.

Detail from "Glasses and bottles", 1922-24.

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Detail from "Woman", 1921.

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1965

The inaugural meeting of the SAAT was held at the RIBA. In which month, and who was RIBA president at the time?

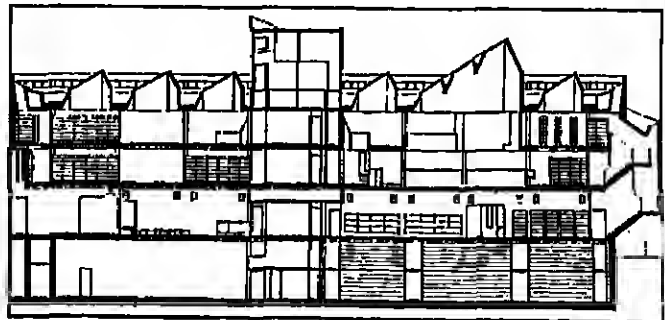
1966

Who designed this project (below) for the Brookhollow Plaza in Dallas?



1967

Who designed this competition winning library (below) in Dublin, completed in 1967?

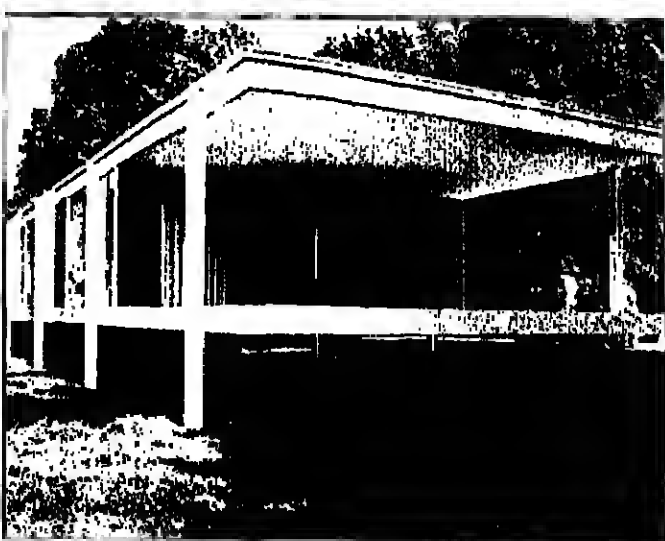


1968

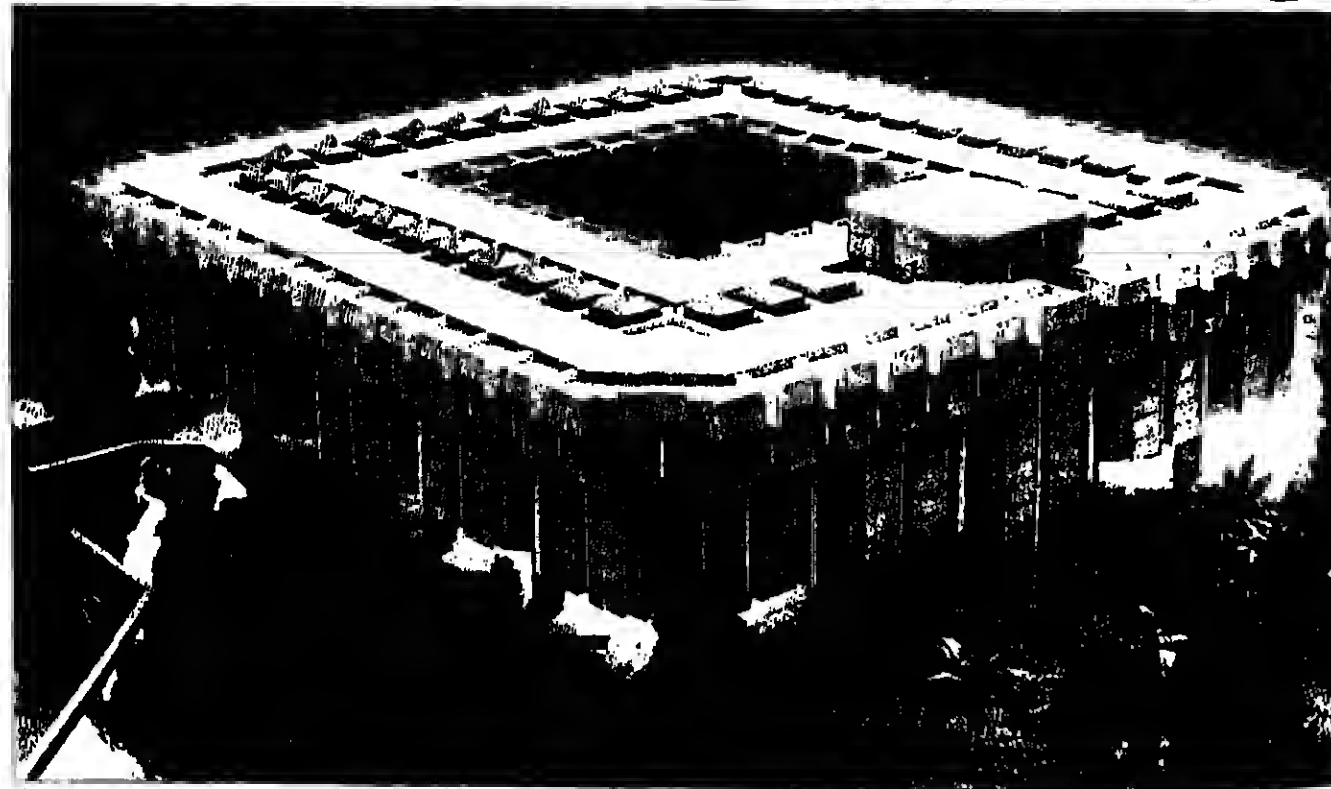
The *New Science of Strong Materials* was published by Penguin. Who was its author?

1969

Mies van der Rohe died in Chicago. Who now owns this Mies house (below) and which river does it stand near?



ANSWER THESE QUESTIONS AND WIN A TRIP TO HONG KONG



1971

This British Chancery designed by Sir Basil Spence was opened in September. Where?



1972

He was former chairman of Holland, Hannen & Cubitt, and Cubitt Construction Systems and former deputy chairman of electrical and mechanical engineers Drake & Gornam, Seull Ltd. Who is he and what did he become in 1972?



1970

Who designed the British pavilion (above) at Expo 70?

1973

Opened on March 16 and built by Mowlems, it followed those built by Romans, Normans, Georgians. What was it?



1974

Designed for 11,288 people it opened that year (above). What is it and who designed it?

The British Institute of Architectural Technicians (formerly SAAT) is celebrating its 21st anniversary this year. This "anniversary quiz", organised in association with *Building Design*, asks questions about an event in each year of the Institute's life. The rules are set out below, and (right) there are details about the Institute's special events in its anniversary year.

Rules and conditions

1. Any reader of *Building Design* is eligible to enter the quiz, except employees of *Building Design* and the British Institute of Architectural Technicians, and their relatives.
2. Closing date for entries is noon, July 14. They must be sent to Graham Watts, BIAT, 397 City Road, London EC1V 1NE, and marked "Quiz".
3. The entry which has the most correct answers will be the winner.
4. In the event of a tie, a second round of questions will be held. Details will be announced if this is necessary.
5. The adjudicators in the event of any disputes will be Graham Watts of BIAT and Paul Finch, editor, *Building Design*. Their decision will be final and no correspondence will be entered into.
6. The winner will receive a free place on BIAT's 14-day study tour to Hong Kong, taking place in January next year (more details on this page).

The Society of Architectural & Associated Technicians celebrates its 21st anniversary this year. 1986 has also seen a change of title to The British Institute of Architectural Technicians—a positive step to reflect the evolution of an excellent professional commitment to members, the industry and its consumers, writes chief executive Graham Watts.

The Institute has arranged a number of special events in order to celebrate both the majority of SAAT and its rebirth as BIAT.

On 11th July an inaugural reception for BIAT will be held at Scott Howard Associates in London, at which the guest of honour, Owen Luder, will present the Institute's third National Student Awards to winners Glasgow College of Building & Printing, and joint runners-up Napier College (Edinburgh) and Sheffield City Polytechnic. Seven other regional award winners will also be honoured.

Later in the year, a practice conference will be held in London on 20th September to launch BIAT's new group indemnity insurance scheme: a joint conference is to be held with TRADA on 10th October; and another with the RIBA as part of the "Decaying Britain" campaign in Harrogate on 29th November, at which the guest of honour will be RIBA president Larry Rolland.

In recent years, the international reputation of the Institute has steadily increased, and through



BIAT

SAAT's constant commitment to the development of education and training facilities in many countries, membership is now a qualification which is recognised worldwide.

The first overseas centre of SAAT/BIAT was created in Hong Kong, and as part of our celebrations in 1986/7, the institute is holding a study tour to Hong Kong. The tour is open to anyone practising in the building industry, and a comprehensive itinerary of visits, discussions and social events is being planned.

The study tour is being run by the group travel specialists, Peregrine Associates, on behalf of BIAT, and the cost compares very favourably with any package deals which are generally available.

The inclusive cost per person, based on sharing a twin-bedded room, is £739* with a single room supplement of £14 per night.

So, if you want to escape from the British winter for a holiday with a construction flavour in the oriental summer, contact BIAT, 397 City Road, London EC1V 1NE, tel 01-278 2206.

Alternatively, as part of our celebrations in 1986 BIAT is offering a free place on the study tour as part of a competition (on this page) in association with *Building Design*.

* This price is based on fares and rates quoted for these specific dates and on an exchange rate current at 30th May 1986, and is subject to alteration in the event of change.

1975

Who became PSA director general of design services on a salary of £14,000 per annum?



1976

Ruckminster Fuller designed a geodesic dome at Expo 67. What happened to it in May 1976?

1977

How many certificates had the Agrément Board issued by the summer of 1977 when it moved into new offices at the BRE in Garston, 200, 300, 400, 500 or 600?

1978

A set of four stamps issued in February commemorated the 900th anniversary of which building?

1979

Which decade came under scrutiny at the Hayward Gallery?



1980

John Keynes' chief executive resigned in August. Who was he?

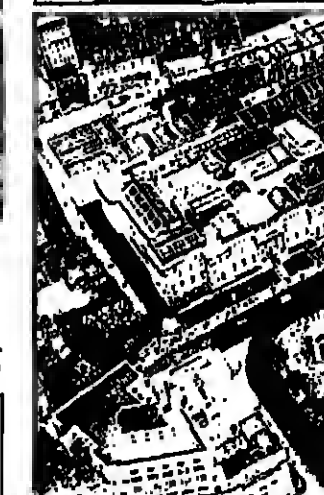
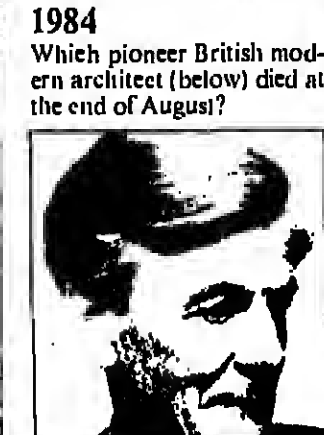
1981

Who became the third recipient of the Pritzker Prize?



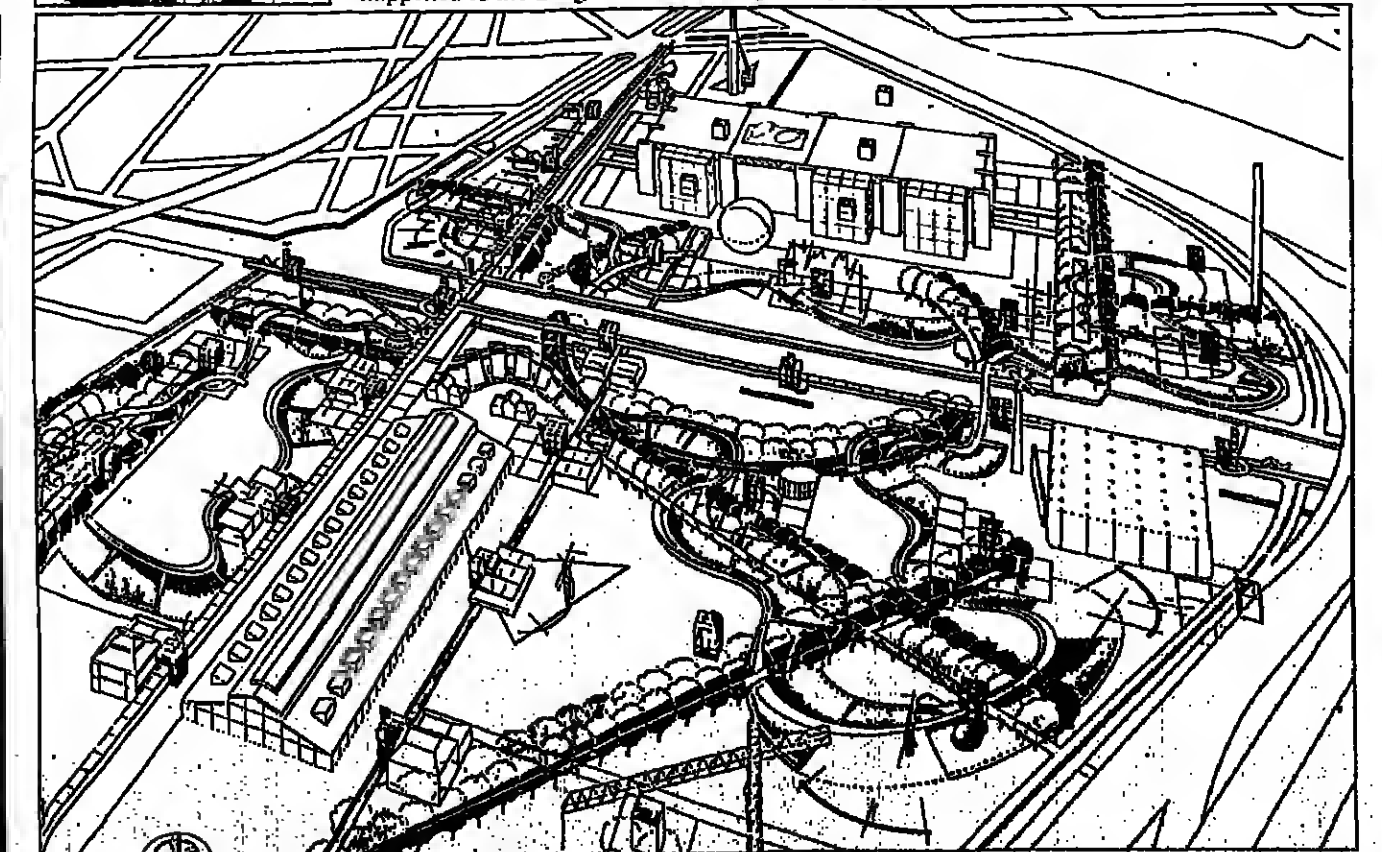
1983

Which 30-year-old Manhattan tower was given "landmark status"?



1985

How many entries were received in the competition for one site in this photograph, and what happened to the design for the site diagonally opposite in 1985?



1982

This design won the competition for what, and who was it by?

MAGIC MIES

Robert Harbison reviews the Mies van der Rohe Centennial Exhibition.

THE large Mies van der Rohe Centennial Exhibition which closed last month at the Museum of Modern Art in New York has now opened in Chicago.

It was billed as the biggest ever staged, and was particularly notable for the large number of drawings, photomontages (a technique which some think Mies was the first architect to exploit), and models, particularly of unbuild and destroyed projects.

Like many great artists, he appears to leave his roots far behind in a series of quantum leaps not obviously linked to his

own past productions. But the first projects shown had an electrifying effect, and one felt one had gotten to the bottom of Mies, who never entirely left behind the Classicism with a totalitarian flavour which was part of his teacher Behrens' legacy. The first projects in the exhibition were the Kröller-Müller house/museum in a desolate part of Holland, and an unscalable monument to Bismarck high above the Rhine.

The first was wonderfully actualised in wood and canvas at full scale, and the model apparently ran on railroad tracks so its position could be adjusted slightly. The detailing is Sim-

erian-primitive, but the silhouette is incredibly low, as of a building half-buried, sepulchral.

The Bismarck memorial is one of several obsessive meditations on death and silence which bore more dynamic offspring 14 years later in the Liebknecht/Rosenberg memorial, which the organiser, Arthur Drexler, sees as a rendition of oppression like a wall the proletariat is crushed against. I've always seen it as quite the opposite, a dramatisation of social peace coming energetically unstuck.

Particularly telling were studies showing it inscribed with threats of revolution ("I was, I

am, I will be again"), or (in photomontage) used as a speaker's podium like Lenin's tomb, for rowdy addresses to quasi-uniformed crowds.

One of its ancestors is a fascinating project of 1922 for a brick villa which looks in plan exactly like a Mondrian. Drexler's words about low walls treated like lines extending to infinity, or functioning like hedges at Versailles, are clairvoyantly apt.

I think it was here I noted for the first time how magical are Mies' quick interior perspective sketches, suggesting interstellar vastnesses by the way a few flimsy partitions in the middle

distance are skewed. For all its misleading economy of means it is one of the most exorbitantly utopian visions of space ever propounded.

The Friedrichstrasse skyscraper projects of 1921-22 are, I suppose, the other apogee of Mies' pendulum. The best known views obscure the expressionist whimsy which is the main quality evident in the plans. The first, crystalline, triangular block reaches the street in 11 places and would cause pedestrians to step off the pavement into it at each of those points. The second is like an amoeboid meltdown of the triangular shape.

Before long the structural novelties of these proposals were being incorporated in larger conglomerates of ensuing regularity. The (planning) Alexanderplatz with a group of identical glass solids like a set of encyclopedias sends a shiver of horror even at this late date through this viewer. When I came out of the exhibition I entered just such a field of heartless force walking down Sixth Avenue.

The Mies I prefer to remember is the creator of calm pavilions which justify them-

selves precisely by their luxury or at least their lack of specific function. Certain details of the Barcelona Pavilion came on freshly. In the new reconstruction of it in Barcelona, does the green marble turn to pale plaster on the rear elevation? Mies specified and the model New York showed? It is amazing to think that nothing was exhibited in the building; it was purely ceremonial and its famous chairs were designed for the Spanish king and queen to sit in while others were presented to them.

His most satisfying, if not his most influential, later buildings are consigned to this: the Farnsworth house in its high podium, all its steel members painted immaculate white, and then the New National Gallery in Berlin. The exhibition closes with an awareness of their cultural situation; manipulated with precision in this larger context, their creator's wit and irony can flower.

James Stirling breathes this rare air with ease. And it is difficult to think of any architect so assured today; any other who, not content with good work among the foothills, does not then become light-headed on the higher slopes.

Stirling is perhaps a better architect than we deserve — and how much less fury and lunacy would be aroused if the forms, which in an axonometric image he so easily embeds in our memories, did not leak, boil, rattle or roll when once they were built.

It would be difficult to defend the argument that Stirling is not the best architect we have today.

Volume One of the *oeuvre* complete, identical in format to those of Le Corbusier, was published 10 years ago. And now I expected Volume Two. But, of course, it is not; for the only thing you are always guaranteed with Stirling is the unexpected. The new monograph, large, glossy and colourful, is coffee-table rather than Corbusian-elongated in shape. While its title page neatly illustrates the project with which the earlier book closed (the crucial, unbuilt St Andrews' Arts Centre) in no sense does this just follow on from *James Stirling: buildings and projects 1950-1974*.

Playing all these earlier games again, if at times in a slightly different key, takes us half-way through the new book. And only in the second half does it, essentially, add the work of the last decade. Much of this review so far, therefore, has also been a

That vital spark

By John McKean

James Stirling: buildings and projects, edited by Peter Arnell and Ted Bickford. Introduction by Colin Rowe. (The Architectural Press.)

IT is a truth universally acknowledged, if unhappily by some, that of all creative people, architects have the least wit.

An architect may need many qualities not called for in easier lives — a sparkling social conscience, persuasive powers to draw cash from stones, amazing technical dexterity, chirpy vision among complex and competing forces... Who dares ask for more?

But with no more, the best result must still lack that vital spark. Yet a few architects do have the imaginative force to tease their vision into built forms which effortlessly carry an awareness of their cultural situation; manipulated with precision in this larger context, their creator's wit and irony can flower.

James Stirling breathes this rare air with ease. And it is difficult to think of any architect so assured today; any other who, not content with good work among the foothills, does not then become light-headed on the higher slopes.

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Dusseldorf, axo of circulation.

replay of one I published exactly a decade ago now. And I still mean it, though it sounds much less outspoken in early 86 than it seemed in early 76 — when Stirling's office was almost at a standstill, moaning all round were complaining about the university buildings — wet at St Andrews, sweat at Cambridge, and all manner of things at Oxford. It was in the lull which followed the lost competitions at Derby and for Siemens, when Leo Krier had been persuading JS to appreciate new times; and the tiny contextualist St Andrews Arts Centre and huge Olivetti hq in Milton Keynes, both abandoned by 1971, were leaving only the livid and angry Runcorn housing stretching out as a future.

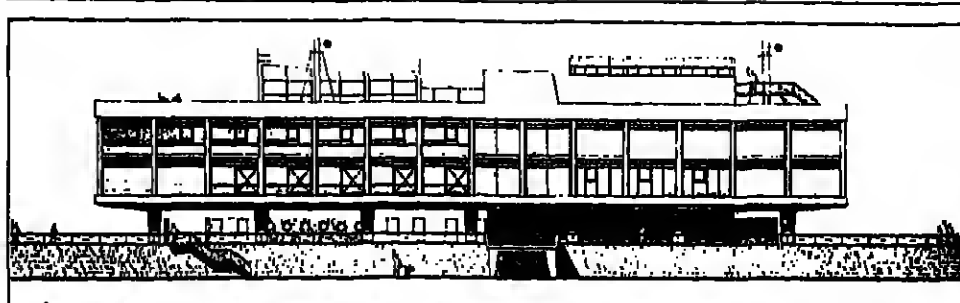
But just then, while Krier and JS were so carefully assembling that first volume, folding Leo's perspectives gently into early axonometric projects, knowingly sticking in cards to Jencks and uncaptioned drawings from Corbus, the first intimation of one architecture sure was stirring in the office. When Stirling showed the Dusseldorf and Cologne projects in a back room at the AA in March 76, these new ideas were finally seen in public.

No longer like Stirling & Gowan at Leicester, the "piles of oxidising junk" as hard-Modernist Paxley described it recently, the romantic industrial decay which soft-Modernist Nils Die-Lund shows in his lovely collage (and Stirling, of course, appropriates in this new book), nor like the more fluid, more gestural, more "bric-a-brac" to Oxbridge (which, they said, Gowan felt so inappropriate).

No. Now, for these most sensitive, specific and restricted places, Stirling showed a new vocabulary of strong architectural forms aiming to reinforce particular characteristics of site and context. The form of square and colonnade, drum-shaped garden, zigzag and ramp. They dealt with symmetry, axes and poché, that is, the obscuring "thickness" between outside views of a mass and its major inside spaces.

It was a long way from an architecture generated either by structural sensibility or mechanised function. It was quite happily stone-faced, even with its lean-to glazing; it was generated by the context, and described in terms like "urban resolution". There was even — received with some embarrassment 10 years ago — a Classical portico or two.

No longer mock-heroic, now straight sardonic. Here, and in the Stuttgart project which



JS's thesis project; a new town community centre (1950). Note weather vane which reappears at Florry, Oxford.

followed close behind, and for whose completed colour pictures this second book has waited long, was a new articulateness in language. Interestingly, it paralleled a new concern for words, whether in the written reports or in JS's no longer ad-libbed lectures. Now there was nothing wrong, indeed often much to be gained, in choosing one's words carefully, as well as in having a clear underlying message.

And so these latter years have seen Stirling "come out"; the ever more public presentation parallels a new confidence in putting up buildings. (By the late 70s he was building in Europe and the USA; now he is building here and, if Palumbo can hear off Billy Stein, will soon be consolidating that further.)

Yet his architecture is now

softer. There is an approachability which is not condescending. Robert Venturi, predictably, said recently that his National Gallery "should be not esoteric... It should be appreciated by the sophisticated but also loved by the man in the street". Stirling, six years earlier, wrote: "The collection (in a building) of forms and shapes which the everyday public can associate with and be familiar with — and identify with — seems to me essential."

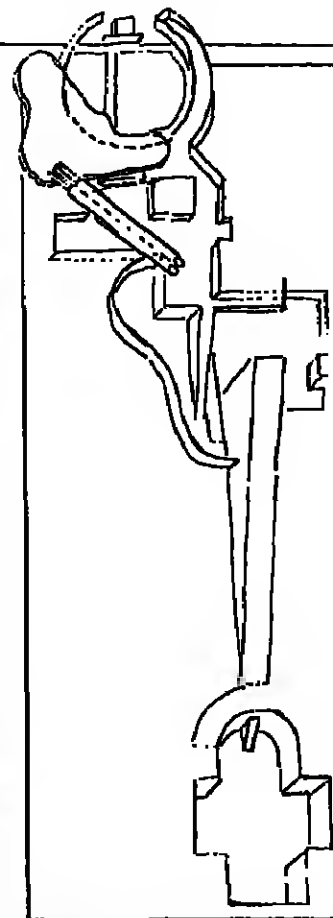
The new book is no longer drily private knowledge for the cognoscenti, packed with secret clues. Now there is a full-colour accessibility; but, as ever, the unexpected is still one step ahead.

There are key uncaptioned images, from Brunelleschi or wherever, as aides memoire;

there's a postcard from Kenneth Frampton; Rodrigo Perez De Arce's images of Runcorn as Piranesian ruin as well as Nils-Ole Lund's of Leicester.

In 1978, a critical monograph on Stirling was published in Italian, entitled "The last maestro?" (It doesn't appear in this book's full Stirling bibliography.) Even if the answer is "probably not", the lack of a critical monograph on Stirling in English in 1986 must surely be made good soon.

This present volume opens with an essay by Colin Rowe, much of which seems to have been written for the first volume, and, neatly, closes with another performing arts centre at Cornhill. Rowe's appallingly self-indulgent essay, while making many relevant observations, doesn't start to fill that gap.



Loggia, concept sketch; a most unusual complete fresh and axo.

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Seagram building, New York, 1954-58.

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Office tower, Baltimore.

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WHEN Paul Chamberlain and Peter Christian, two graduates from the Royal College of Art, set up the Flux design studio in Battersea in 1984, their objective was to develop their individual designs within a total image concept.

Flux wished to find someone who was prepared to produce their designs on a large scale so that they could be widely marketed at competitive prices.

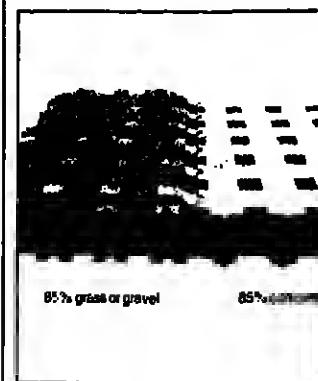
Eventually they found Hoskins. Peter Gardiner, Hoskins' marketing manager, was impressed by the simple lines and curves and varied use of paint and chrome which characterised their work. Also Flux's metal-based furniture and light fittings suited the company's skill-base.

Since Hoskins was acquired by the Scottish Heritage Trust last year, considerable emphasis has been placed on new manufacturing facilities. Now, with this link-up with Flux, Hoskins is about to launch into a new identity with a range of products under the Young British Designers' label.



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By the inclusion of an advanced polyester fixing agent, the properties of the Parabolt resin anchor from Tucker Fasteners have been dramatically improved. Faster curing times, stronger bonding and higher loadbearing capacity are all claimed. Parabolt resin anchors come complete with a threaded metal stud and an all-glass sealed resin capsule. Sizes range from 8mm to 30mm diameters.

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Cool radiators

LOW surface temperatures are a principal feature of the Runimid LST panel radiator, yet they provide maximum efficiency by maintaining normal mean water temperature. The LST panel shields the heating element, pipework and valves. The heating element is a highly efficient C-type convector providing an output 2.5 times greater than that of an ordinary radiator.

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Luminous signs

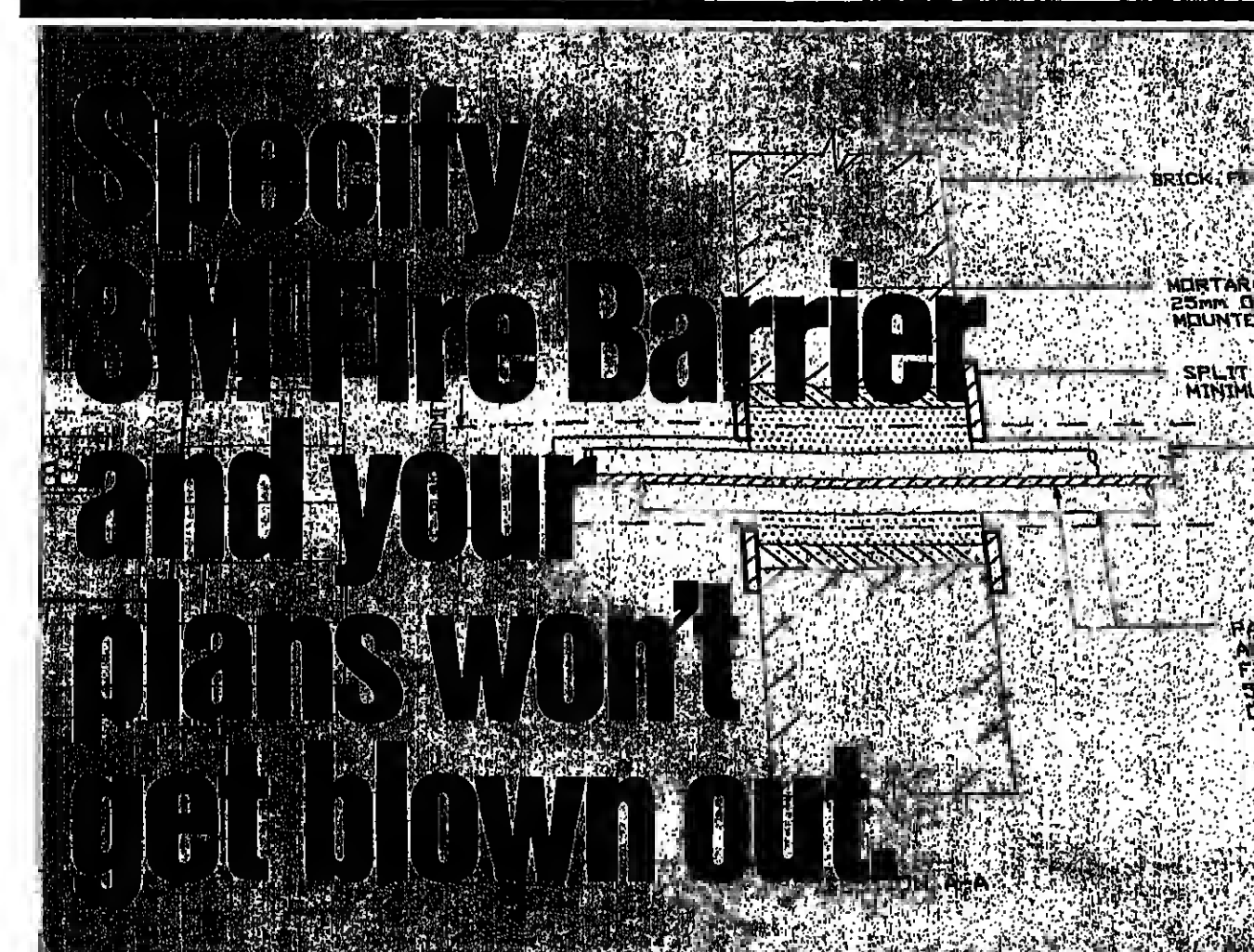


LOW cost, screen printed, photoluminescent signs have been introduced by Jalite UK. They are non-toxic and emit no radioactivity. No lead or phosphorus is used in their manufacture. The glowing surface is set on a rigid fibreboard backing. Normal exposure to natural or artificial light re-charges the luminous material. Signs conform to British and European legislation and include emergency legends, fire warnings and prohibition signs.

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For further information on products on these pages, please return the enquiry card.

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3M Fire Barrier products are designed to limit the spread of fire, smoke and toxic fumes by blocking off holes, cracks, or service penetrations in fire-rated structures.

Which is why we recommend them as an integral part of initial design. And why they can help you meet The Building Regulations 1985 and gain acceptance of your plans from Local Authority Building Control departments.

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Name _____

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3M FIRE BARRIER PRODUCTS

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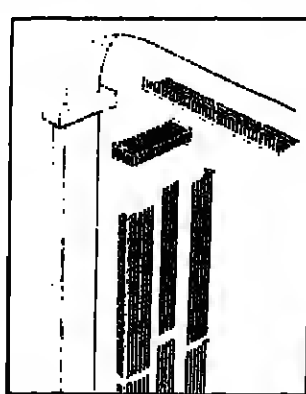
ABC

The Hallmark of Audited Circulation

New products

Arched openings

EXPANDING its range of arch-forming devices, The Expanded Metal Company has introduced a new arch former in fibrous plaster and a fibrous plaster plaster unit which continues the arch-line to the floor. Expanded arch formers are now widely used on large and small contracts alike as a quick and easy way of creating arched openings. For more detail, see the new additions complete the components needed to form the entire opening.



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Waterproofing

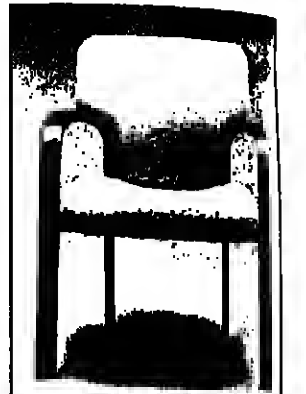
REQUIRING no primer, UniBond Liquid Rubber S is a high technology waterproof and rustproof coating which can be used to seal roofs, joints, metal flashings, gutters etc. It is solvent-based and will resist penetration by air, water and acid chemicals. What is more, Liquid Rubber S needs no primer when used on all substrates except cement and brickwork, when the surface should be washed down with UniBond Patio Cleaner.



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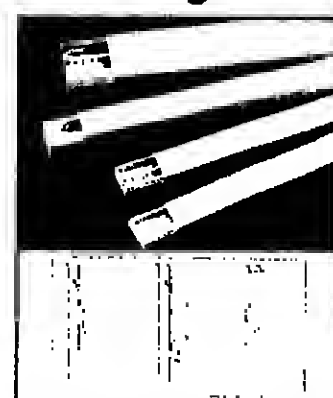
Chairs

SAID to be a natural blend of modern and traditional design, the Shape range of chairs, conceived by Peter Murdoch and available from Hille International, is suitable for use in offices, conference rooms, restaurants and hotels. Options include open and closed versions of both chairs and double-seater settees. They have moulded shells, upholstered with contoured cushioning and fabric or leather covering. The natural wood frame is in ash or lacquered finish.



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Trunking



CONSISTING of just two parts — a vertical base and a snap-on cover — the new Mini-Trunking from Thor-man comes in four versions, either open or segregated for multi-cable use. The smallest size is 20mm x 10mm, the largest 35mm x 17mm. The former is available either open or segregated, the latter segregated only. An intermediate size, 20mm x 17mm, is only available in the open format. High quality pvc is used throughout for the trunking's manufacture.

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Artificial trees



LIFE-LIKE to the point where the real can hardly be distinguished from the unreal, Select Floral Services' artificial trees are made up of real trunks and silk leaves. In any height from 1.2m to 10m, Select Floral Services' trees are maintenance free and are available in various species — silver birch, ficus, maple, cypripedium and oak. A fireproofing service to ensure that its trees do not present a fire risk is also available.

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Conservatories



LUXURY conservatories, styled along Victorian lines, have been introduced by Banbury Home Gardens. Available in both standard and tailor-made options, this new line can serve equally as a freestanding building or as an extension. There is a choice of window designs and between-wind, panels, and they are two basic "Victorian" designs — octagonal and rectangular. The construction is of Western red cedar framing and hardwood sills with a micropane finish.

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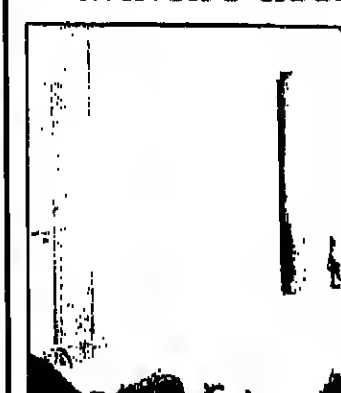
Floor outlet

INTEGRATED power and datacom cabling can be accommodated in Van Giel System's new raised floor service outlet box. Available in round and square versions, they combine up to two small power sockets, two telephone sockets and two computer data sockets in a single unit which is suitable for carpeted areas. All raised floor thicknesses from 20mm to 42mm are compatible with the outlet boxes. Integral carpet cabling is built into the cover.



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Wardrobe doors

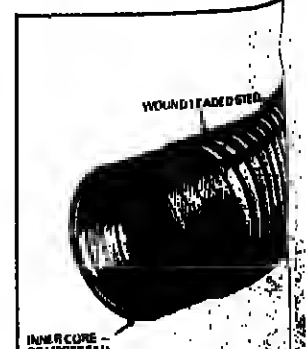


TO complement its range of mirror doors, wardrobe specialists Acmetrick has introduced the Decor Door. Available in 750mm and 900mm widths and 2250mm high, these doors are finished in satin white with two inset panels with a gold relief finish. They are supplied on running gear and are ready to hang, using the tracks provided. To match the Decor Door, Acmetrick has added a white-trimmed mirror door with white tracks and runners to its range.

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Pliable conduit

CONSISTING of a compressed Kraft paper centre core wound with a layer of lead impregnated steel and covered with a smooth pvc sheath, Stayflex pliable conduit from Adapflex can be easily bent by hand to follow contours and retain its shape. When used with Adapflex nickel plated brass adaptors, Stayflex forms a conduit system which is water resistant to IP67. Initially available in 16, 20, 25 and 32mm diameters, with larger diameters planned, Stayflex conduit can be cut to length using a Stanley knife.



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SITE notices and site reports can be safely protected from the weather using a Cretion Waterproof document holder, available from Press Promotions and Pubility. Comprising two sheets of 2mm thick clear acrylic plastic, the holder neatly accommodates A4 sheets of paper and is self-sealing with a magnetic tape. Both sides can be written on and then wiped clean. Other uses for holding maps etc can be supplied on request.



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Dateline

Items for consideration must be received 10 days prior to publication

This week

Today Preservation for profit, conference organised by the North West Civic Trust and English Heritage. Venue: Worsworth Town Hall, Worsworth, Derbyshire. 9.30am-4.30pm. Cost: £25. Details: Pauline Roscoe, North West Civic Trust, 061-794-9314.

Today Self-build, course on the Walter Segal System organised by the National Centre for Alternative Technology. Details: Lesley Bradnam, (0654) 2400.

Tuesday London seminars for builders: a seminar demonstration of FCG Computer Systems' computer packages for the building industry. Venue: Building Centre, Store Street, London WC1, at 11am. 2pm and 4pm. Details: 01-388 7345.

Tuesday Textiles and textiles, study day organised by the Victoria & Albert Museum. Venue: Victoria & Albert Museum, London SW7. 11.30am-5.00pm. Cost: Admission free. Details: Angela Thurgood, Education Department, Victoria & Albert Museum, London SW7 2RL. 01-589 6371.

Wednesday Introductory one-day marketing briefings for principals in small and medium architectural practices. Venue: The Victoria Spa Lodge, Rishington Lane, Stratford upon Avon, Warwickshire. Cost: £58 including buffet lunch. Details: Liz Burchall (0561) 433654 or George Fardon (0561) 793035.

Wednesday Who plans London now? conference. Venue: RIBA, 66 Portland Place, London W1.

Cost: £20 including VAT, students £5. Details: Meta van der Steeg, RIBA, 01-580 5533 text 4420.

Wednesday JCT 80 Form of Contract, a one-day course organised by the Midlands Study Centre. Venue: Albany Hotel, Birmingham. Cost: £75 for centre subscribers, £95 for others. Details: (021) 4543008.

Wednesday Houses of Paris — their interiors and gardens, a five-day tour. Cost: £475. Details: Stephanie Laing, the Design Academy, 01-708 1976.

Thursday New National Building Regulations 1985, seminar organised by Thames Polytechnic and the South Bank Polytechnic. Venue: Short Course Unit, Thames Polytechnic, Dartford Campus, Oakfield Lane, Dartford, Kent. 9.30am-5.00pm. Cost: £55. Details: Stuart Smith, (0322) 21328.

Thursday Festival of Engraved Glass '86, organised by the Guild of Glass Engravers. Venue: Church of St Lawrence Jewry, London. Details: Publicity Office, 11 Gieve Road, West Hampstead, London, NW6. 01-624 8781.

July 8-18 Festival of Engraved Glass '86, organised by the Guild of Glass Engravers. Venue: Church of St Lawrence Jewry, London. Details: Publicity Office, 11 Gieve Road, West Hampstead, London, NW6. 01-624 8781.

July 12-August 31 Philip Wilson Steer: paintings and watercolours, organised by the Fitzwilliam Museum and the Arts Council. Venue: Cartwright Hall, Bradford. Details: (0274) 49313.

June 20-22 The implementation of local plans.

Exhibitions



Until September 28. Let's face it — London in 1700-1886, an exhibition covering the story of the face of London over the last 250 years, sponsored by Boots No. 7. Venue: The Museum of London, London W1, EC2. Details: 01-600 3699 ext. 240/280.

June 26-27 26 London: Images from the modern city, organised by the Heinz Gallery at the R10A. Venue: Heinz Gallery, 21 Portman Square, London, W1. Details: 01-580 5533.

Until August 10 Oskar Kokoschka 1886-1980, organised by the Tate Gallery. Venue: Tate Gallery, Millbank, London, SW1. Details: 01-821 1113.

July 8-18 Festival of Engraved Glass '86, organised by the Guild of Glass Engravers. Venue: Church of St Lawrence Jewry, London. Details: Publicity Office, 11 Gieve Road, West Hampstead, London, NW6. 01-624 8781.

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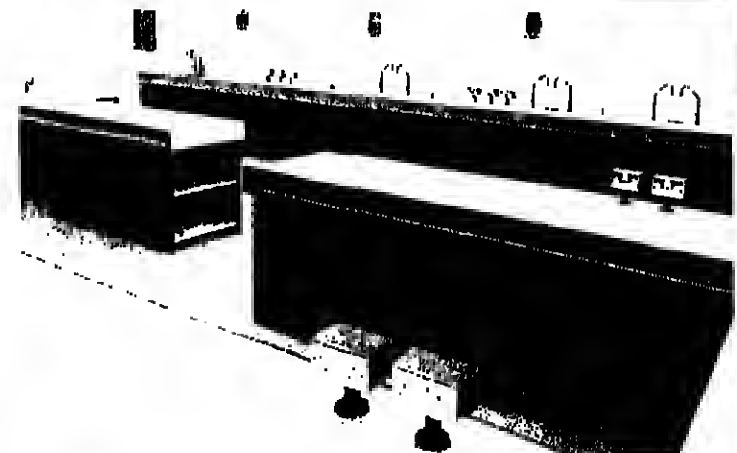
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June 20-22 The implementation of local plans.

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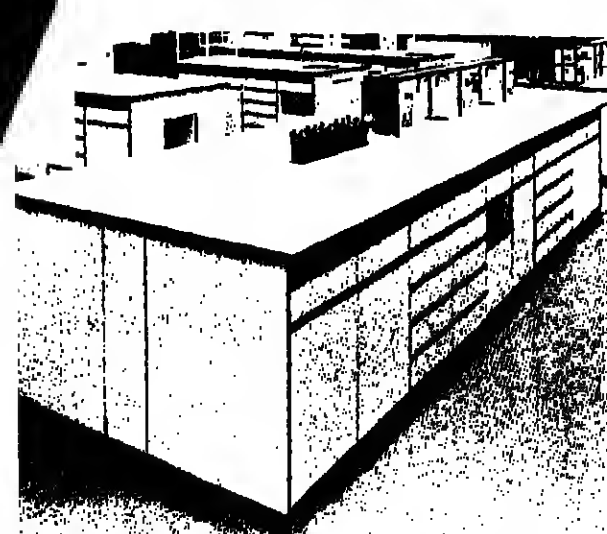
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COME AND SEE HOW CO-OPS PULL IN BUSINESS

Co-operatives are the fastest growing new business sector in Britain today. They bring together people, skills and services and form companies where each individual has a stake and a say in their own future.

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If you thought that all co-operatives were cottage industries, prepare to be surprised. There are over 20 business sectors covering the spectrum from Microbiotics to Microtechnology.

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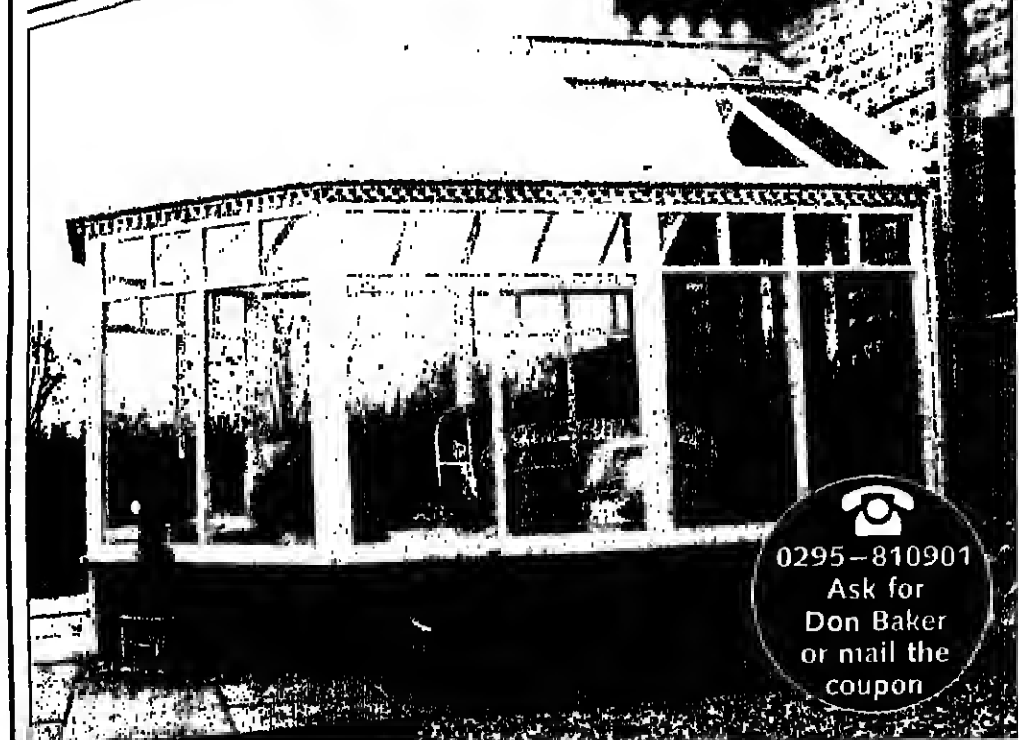
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- The System D4 range from Banbury Structural Systems provides the ultimate in flexibility in Victorian styling for both residential and a variety of commercial extensions — hotels, clubs, pool covers, nursing homes, etc.
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0.07W/mK and a thickness of not less than 50mm".

There are also alternative ways to work out the insulation thickness.

Hot water storage vessel insulation: There is no rule of thumb here, but heat loss should be limited to 90W/h of the surface area of the vessel. The vessel should meet the recommendations of BS 6422 (or BS 615; or BS 699 or BS 1886 or BS 3198) — apparently the level of insulation varies a bit between the various BS's. Remember that if a cylinder contributes to the space heating of an insulated space (such as a linen cupboard in a dwelling) the full level of insulation is not required.

WHAT'S NEW?

The wording of one or two paragraphs is a bit different from the old part Q which came in with the second amendment to the 1976 Regs in 1981, but there is only one significant change. The requirement for a control to reduce the flow of water through any boiler that is shut down has been omitted from the new Regs.

WHAT'S NEXT?

As this is a relatively new area for regulation, changes here are likely. The provision of controls could be extended to housing or omitted altogether on the basis that it is so crazy not to have effective controls on a large system that there is no need to specify them in Building Regulations.

There is clearly a difficulty for building control officers inspecting controls: How can they judge whether a little box with a red light is capable of "controlling" the operation and the output of space heating systems?

When more accurate information is available on the effectiveness of controls, there could be guidance on fitting optimum stop controls as well as optimum start controls (Optimum stop allows the heating to be shut down before the end of the working day so that occupation continues while the building begins to cool down). It seems that more attention needs to be paid to balancing systems to prevent the heating being run at a higher temperature than necessary in one zone to allow another zone to reach comfortable temperatures (see ref's) there may be guidance on this. While only the provision of controls is regulated and not the running and setting of heating systems, it is likely that heat will be wasted by badly adjusted or ineffective controls.

REFERENCES

The study of the performance of an energy management system: Building services engineering and technology journal, Vol 5, Issue No 4/1984, page 155-172, from CIBSE (01-675 5211) discusses the difficulty of balancing zones.

BS 6422: 1977 Specification for the use of thermal insulation materials.

BS 699: 1984 Domestic copper direct cylinders.

BS 3198: 1981 Storage combination units.

BS 1886: Domestic copper indirect cylinders.

Part 1: 1984 Double feed Part 2: 1984 Single feed.

BS 615: 1978 Insulation jackets for domestic hot water cylinders.

BS 699: 1984 Domestic copper direct cylinders.

BRE Information Paper No 3, 1983, Optimum start controls in modern low-energy buildings.

programmed to remember long weekends and late stopping nights.

The AD says other controls can be fitted to keep the heating system going when the building is unoccupied, so that there is sufficient heat to prevent dampness or freezing from damaging the building — but these controls don't have to be provided.

Boiler controls: When the total load on two or more boilers supplying the same heating demand is over 100kW, there must be boiler controls that ensure the boilers are running efficiently. These controls bring in the boilers one at a time as the demand requires — they are sometimes called "modulators". It is common now to have a series of boiler "modules" working together in the larger installations, there is usually a control that changes over the lead boiler at the end of each week so that no one boiler is going flat out all through the heating season.

Hot water storage control: There should be a thermostat in the hot water tank or cylinder that shuts off the supply of heat when the cylinder has reached the required temperature. On larger systems over 150 litres storage (33 gallons) there should also be a time switch that shuts off the heat supply when there is no demand for hot water (eg at night).

Heating and hot water pipe insulation: The AD gives a simple rule of thumb for pipe insulation — it should be at least "equal to the outside diameter of the pipe up to a maximum of 80 mm".

To work this rule of thumb the insulation has to have a thermal conductivity not greater than 0.07W/mK — but then, almost anything that you would think of using as pipe insulation does have a lower value than that.

Pipes (ducts or storage vessels) that contribute to the space heating of an insulated space (such as the inside of a dwelling) do not need to be insulated.

The AD explains what is meant by "short" lengths of pipe in a little table.

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In this part — even more than in the others — the AD should only be regarded as guidance on one way to satisfy the requirements. It makes sense to avoid unnecessary use of heating systems. It also figures that they work efficiently when they are used. But Henry sees the AD as just one way of killing the cat.

example when they are crowded with people or when the sun heats them up).

In heating systems, using hot water, an outside temperature sensing device is also needed so that the boiler does not heat the water in the radiators (or convectors heaters etc) beyond the appropriate temperature needed to deal with the weather outside.

The reason for having a weather-compensating control is to discourage occupants from controlling the temperature inside the building by opening the windows. If the room thermostat is turned up full and the windows are opened the weather compensating control will prevent the boiler responding beyond a certain point. The open windows will cool the room and the occupant (it is assumed) will decide to close the windows. Without a weather compensating control the boiler would go on belting out heat desperately trying to bring the room up to the temperature called for by the room thermostat but would be frustrated by the heat loss through the open windows.

The AD only calls for the outside temperature sensing device where the system uses hot water to distribute heat. The reason it isn't asked for in hot air systems is because of the fear that a high outside temperature (eg strong sun on the sensing device) might shut off the heating and get the system blowing cold air onto the occupants. It could be argued that an outside sensor is needed for electrical heating but as each space is likely to have its own heating element, separately controlled, the cost of the sensors would be more and the saving of energy would be less. You don't get the situation where the one source of heat in the building is running full blast to deal with high heat loss through one space that has been opened to the outside.

Intermittent heating controls: In addition to the temperature controls, heating systems must have a clock that can be set to shut off the system when the building is not being used. For smaller systems up to 100kW (approx 350,000 Btu's).

The intermittent heating control can be a simple programming clock (as these used to be) or a domestic central heating. For larger heating systems, an "optimum start control" is needed. These are controllers that have been programmed to turn on the heating in the morning in time for the building to heat up before the morning in to work. On a cold day and after a weekend the building will take longer to heat up, so the optimum start controller turns the heating on sooner. It can also be

programmed to remember long weekends and late stopping nights.

The AD says other controls can be fitted to keep the heating system going when the building is unoccupied, so that there is sufficient heat to prevent dampness or freezing from damaging the building — but these controls don't have to be provided.

Boiler controls: When the total load on two or more boilers supplying the same heating demand is over 100kW, there must be boiler controls that ensure the boilers are running efficiently. These controls bring in the boilers one at a time as the demand requires — they are sometimes called "modulators". It is common now to have a series of boiler "modules" working together in the larger installations, there is usually a control that changes over the lead boiler at the end of each week so that no one boiler is going flat out all through the heating season.

Hot water storage control: There should be a thermostat in the hot water tank or cylinder that shuts off the supply of heat when the cylinder has reached the required temperature. On larger systems over 150 litres storage (33 gallons) there should also be a time switch that shuts off the heat supply when there is no demand for hot water (eg at night).

Heating and hot water pipe insulation: The AD gives a simple rule of thumb for pipe insulation — it should be at least "equal to the outside diameter of the pipe up to a maximum of 80 mm".

To work this rule of thumb the insulation has to have a thermal conductivity not greater than 0.07W/mK — but then, almost anything that you would think of using as pipe insulation does have a lower value than that.

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"THE EASIRECS" No 33

L/5 & 5 Heating controls and pipe insulations

BY HENRY HAVERSTOCK

Tel: 01-267 7676 with comments or criticisms

REQUIREMENTS

L4 Space heating or hot water systems in buildings shall be provided with automatic controls capable of controlling the operation and output of space heating systems and the temperature of stored water.

The requirement does not apply to:

a) systems in dwellings;

b) systems which heat or store water for the purpose of an industrial process;

c) systems provided to serve a building with a floor area which does not exceed 1,25m²; or

d) individual appliances with an output range of 10kW or less.

L5 (1) Hot water pipes and warm air ducts shall have adequate thermal insulation unless:

a) they are intended to contribute to a part of the building which is insulated; or

b) they give rise to no significant heat loss.

(2) Hot water storage vessels shall have adequate thermal insulation.

This requirement does not apply to systems which heat or store any water for the purpose of an industrial process.

APPROVED DOCUMENT

The AD says these requirements can be met by the seven provisions below (the first four don't apply to housing).

Room temperature controls.

Intermittent heating controls.

Boiler controls.

Hot water storage controls.

Heating and hot water pipe insulation.

Warm air duct insulation.

Hot water storage vessel insulation.

Room temperature controls.

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Site Architect

An architect is required to undertake the duties of a Resident Architect for the construction and fitting out of a prestigious new Headquarters for a major insurance company client at Potters Bar, Hertfordshire, to commence on site in September 1986. The duties will involve assisting the design team in administering the contract on site, establishing quality control procedures and liaison with the contractor's management team in the coordination of the work.

The person appointed will have had several years' experience of site inspection and administration of JCT 80 contracts and be aware of the requirement to achieve quality through the use of performance specifications for a high proportion of the sub-contract works.

Previous experience as a Resident Architect would be an advantage and preference will be given to applicants who currently reside in the home counties. The appointment will be for approximately two years with an initiation period at our office and later moving onto site for the duration of the contract.

Write in the first instance with CV to:

**Rock Townsend
 33 Grease Street
 London W1P 1PN**

46-48 London Road, Twickenham, Middlesex TW1 3SG
 Telephone 01-891 0891

We are employment consultants who specialise in the placement of architectural, architectural and architectural personnel. We have vacancies for Architects, Technicians and Architects in London and Home Counties. For further details please phone Martin Morrison or Elaine Tierney.

SIMONS

Design Consultants
SENIOR ARCHITECT & INTERIOR DESIGNER, ASSISTANTS & TECHNICIANS

required for young lively multi-disciplinary practice. Experience in retail and leisure preferred. Good career prospects. Please write or phone Andrew Hodgkinson or Richard Dawkins. Simon Design Consultants
 20 Park Mews
 London W11 1JN
 Tel: 01-229 9556

ARCHITECTS & SENIOR TECHNICIANS

We are a long established practice working in new offices. Our current workload is varied and includes offices, retail warehouses, supermarkets, discount stores, churches, industrial and sheltered housing. Dedicated staff are required to assist on many projects. Applicants are expected to have 10 years office experience and preference will be given to those having worked on commercial jobs.

Architects should be able to demonstrate both design flair and working drawing ability.

Technicians should be able to produce reliable production drawings and have a sound knowledge of construction.

Please phone for an appointment and follow up with full C.V.s.

**Jill Timson
 Stanley Keen Architects
 Mayflower House
 The Walk
 High Street
 Billericay
 Essex CM12 9TB
 Tel: 02774 58662**

JAMES SMITH ASSOCIATES

ASSISTANT ARCHITECT & TECHNICIANS

for expanding workload of interesting and varied projects.

Please apply in writing with CV to:

**James Smith Associates
 7 North Road, Castle Hill, Maldenhead, Berks SL6 1PF**

MICHAEL HASKOLL ASSOCIATES

Chartered Architects. Design Consultants

7 Cromwell Place London SW7 2JN 01 581 8635

are seeking the following staff to work on prestigious shopping centres and leisure projects in the U.K.

ARCHITECTS

Two enthusiastic Architects required in our pleasant South Kensington offices to join expanding Food Court design group.

Applicants should be recently qualified with up to 10 years experience and have a flair for design and presentation. Those unique positions offer an attractive salary and involvement opportunities.

Please write with C.V. or telephone

Derek Barker

Bryant Homes

ARCHITECT

We are looking for an experienced and capable architect to join our professional Head Office team.

Applicants must be able to show a proven record of experience in the design, layout and presentation of high quality housing schemes. They must also be capable of producing a scheme from its inception to completion, and of liaising directly with local authorities.

An attractive salary is offered together with a competitive and excellent conditions of service. We also offer opportunities for career advancement.

For an application form please contact:

**Kathy Harding, Bryant Group Services
 Cranmore House, Cranmore Boulevard
 Solihull West Midlands B39 4SP**

or telephone 01-219 8800

or telephone 01-219 8800

or telephone 01-219 8800

or telephone 01-219 8800

or telephone 01-219 8800

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ONLY ONE

Recruitment Consultancy can offer you informal career advice and a bite to eat on your doorstep! Come and see us at:

**EDGBASTON
 Pantland Suite, Strathallan Hotel
 225 Hagley Road, Edgbaston
 on THURSDAY, 19th June
 from 5.00 till 8.00 p.m.**

If you cannot make it, then simply telephone 021 433 7010 to arrange an appointment at your convenience.

Montrose Architecture

The Professionals choose us for choice

DESIGN TEAM PARTNERSHIP

St. Albans office require

SENIOR ARCHITECT

to take complete charge of variety of interesting projects.

ARCHITECT/TECHNICIAN

to act as job runner for numerous small to medium contracts.

Good prospects within this enthusiastic practice in attractive surroundings.

Ring Mrs King on St. Albans (0727) 35737 for details

ARCHITECTURAL TECHNICIAN

Our client is one of a handful of specialists capable of meeting the needs of Blue Chip companies operating in the most advanced fields of scientific research and manufacturing technology. They seek to strengthen their project team, based in York, with the appointment of a talented Architectural Technician. Reporting to the Design Manager you will be responsible for the concept and design of controlled environment systems, steering projects to final completion and liaising with clients, technology specialists, sub-contractors and in-house management teams.

Probably aged 25-35, you will have a thorough grounding in building design, proven by an appropriate building qualification, neat and accurate drawing skills and a flair for presentation. Travel is envisaged to various UK locations and accordingly, in addition to a good salary, there will be a substantial car allowance included.

Generous relocation expenses will be paid in appropriate cases. Please write enclosing a C.V. and a daytime telephone number to

Rullion (UK) Ltd.
Technical Recruitment Consultants

The Rullion Centre
James Street
York YO1 3DW
Tel 0904 414442



SAUNDERS + HUGGINS

Chartered Architects
Require Urgently

SENIOR TECHNICIAN

For a variety of interesting projects

Apply with C.V. to:

8 Gainsborough Street, Sudbury, Suffolk CO19 9EU
Tel (0757) 74242

Senior Architect

Salary SO1/2: £9,975 to £11,604

We have a vacancy for an enthusiastic architect in the Property Services Section of the Technical Services Department. The post offers an exciting challenge to an architect able to exercise both design and organisational skills as part of an established team of Architects and Technicians. The work programme is mainly housing, covering both new build and rehabilitation, together with some recreational buildings.

A car allowance is attached to this post and we offer a generous relocation package where appropriate, including up to £2,500 for legal and professional fees, 100% removal expenses and a disturbance and separation allowance.

Application forms and further details are available from the Personnel Officer, Gillingham Borough Council, Municipal Buildings, Gillingham, Kent.
(Tel: Medway 6834-60021 Ext. 249).

Closing date for receipt of applications: 2nd July 1988.

Gillingham
Borough Council

DIRECTORATE OF ENGINEERING AND WORKS

Assistant Architect

£11,973-£12,861

Applications for this post in the Architects Section of the Engineering Department are invited from Chartered Architects with several years design office and site management experience. The Section has a varied range of housing, school and public building projects in its current capital programme. Casual User Car Allowance. (ref. 22029)

Senior Architectural Technician

£10,668-£11,331

Suitably qualified and experienced Architectural Technicians are invited to apply for this post in the Architects Section. The successful candidate will work under the general direction of the Assistant Section Architect. Opportunity will be given to undertake smaller projects from inception to completion and also to work as a member of the design team on larger schemes. (ref. 22032)
Casual User Car Allowance.

Architectural Technician

£9,672-£10,284

Candidates for this post should have several years design experience in an Architects office and should preferably be seeking qualification. (ref. 22039)

Application forms available from Technical Services Secretary, Sidcup Place, Sidcup, Kent DA14 8BT (01-303 7777 Ext. 8348). Closing date for all posts 4th July 1988. Please quote relevant reference.

Bexley
London Borough

DEVELOPMENT DEPARTMENT Area Planning Division

CONSERVATION SURVEYOR

Grade SO1/2 £9,975-£11,604

To be responsible to the Group Leader (Conservation) for providing specialist technical and constructional advice upon buildings and structures of special architectural or historic interest. Other duties include giving advice on methods of repair and restoration, preparing programmes of work and to oversee the implementation of works with cost estimates and programme.

Applicants must be qualified to B.T.E.C. (Higher) standard in building (or construction) and possess experience of traditional building design and materials.

Reference: D6/26

For further details and application forms (returnable by 27th June 1988)
Telephone 021-235 4800 or 021-235 2168 or write to:
Assistant Director (Administration)
120 Edmund Street, Birmingham B3 2RD

Please quote reference.

Birmingham
An equal opportunities employer.

SENIOR ASSISTANT ARCHITECT

REF: 51

GRADE SO2 £11,255-£11,919

ASSISTANT ARCHITECT

REF: 54

GRADE SO1 £10,290-£10,953

The Council invites applications from qualified Architects for persons studying for Part 2 of their professional qualification to assist with a varied programme of work, including a major sheltered Scheme and various schemes of improvement, development and refurbishment of municipal property. The posts are in a small but extremely busy Department and would provide attractive to persons with the initiative and ability to apply their professional skills to a variety of municipal projects, and to assist in the management of the Section. Applicants should be able to undertake schemes from feasibility study, through design and to completion, with the minimum of supervision. Applicants will find every opportunity will be given to them to apply and develop their professional skills.

The Council operates a generous relocation package (including a mortgage subsidy scheme), a car leasing scheme and temporary staff housing may be available. The Council operates a flexible working hours scheme.

Further details and an application form from the Borough Personnel & Management Services Officer, Town Hall, The Parade, Epsom, Surrey, or phone Epsom 44811 (24 hour answer phone service).

Closing date: 27th June 1988.



EPSOM & EWELL

ROYAL FINE ART COMMISSION FOR SCOTLAND

Urban Design/Planning field

Investigator and Presenter of Development Projects

3 year post with the possibility of extending to 5 years or beyond

A professional in this field, i.e. an architect, a town planner or a landscape architect, with some years' experience working on visual impact assessment, graphic presentation and planning criteria, is to be appointed to investigate cases and brief the Commissioners on them. The post involves travel and close co-operation with local authority planning officials and others operating in the development process throughout Scotland. Although work has usually to meet an urgent deadline, it must always be thorough.

Certain conditions of service, such as salary, leave entitlement, and superannuation, will be as per the Civil Service Higher Professional and Technical Officer grade; other conditions (for instance overtime work is often necessary but is unpaid, there are no removals expenses in order to take up the post, and the Commission offers no career prospects) are different. The HPT scale from 1 April 1986 is £9,010; £9,540; £9,614; £9,911; £10,218; £10,599; £10,833; £11,395. Posing on that scale will be decided by the Commission in the light of the qualifications and experience of the successful candidate and advice from the Treasury; only exceptionally will the starting point be above the bottom.

Further particulars and an application form (to be returned by 1 July 1986) are available from:

Charles Prosser, Secretary
Royal Fine Art Commission for Scotland
9 Atholl Crescent, Edinburgh EH3 8HA
Tel. 031-229 1109

Senior Assistant Architect

£9,294 - £11,919 (Ref 070/86)

required for small but busy Local Government Architects' Section to work on projects covering conversions and new build.

Applicants must be fully qualified in both the production of working drawings and site supervision and be able to work with minimum supervision.

Assistance with housing; removal expenses.

Further details and an application form, to be returned by 25th June 1988, may be obtained from the Personnel and Management Services Office, Town Hall, Watford, Herts, WD1 3EX

(Tel. Wat. 40175 - Answerphone 24 hours).

The Council is an Equal Opportunities Employer

BOROUGH OF WATFORD



Bassetlaw District Council
Development and Leisure Division

ARCHITECTURAL TECHNICIAN

Post No. OL 4.07

Scale 3/4

(£9,234-£11,713 per annum)

Queen's Buildings, Potter Street, Worksop.

Applications are invited from Architectural Technicians who have attained H.N.C. or equivalent in Building. Good draughtsmanship and a sound knowledge of traditional building construction detailing are essential.

Starting salary will be commensurate with age and experience.

Local Government background is preferable, but not essential.

The post carries a casual user car allowance and assisted car purchase scheme.

Assistance with removal and legal expenses is available in approved cases.

Application forms and job description can be obtained from the Personnel Office, Central Depot, Hundred Acre Lane, Carlton Forest, Worksop, Notts. S81 0TS (or telephone Worksop 475531, extension 139), and should be returned by the closing date of 27 June 1988.

BASSETLAW DISTRICT COUNCIL



CITY OF WORCESTER
CITY ARCHITECT AND PLANNING OFFICER'S DEPARTMENT

The City seeks architectural staff with competence, flair and flexibility to handle new build, rehabilitation and other works. The department is multi-professional and the work programme, which is mainly housing, includes both major and minor projects.

LANDSCAPE ARCHITECT

Scale P O Range (SC P 34-37) (£11,804-£12,513)

This new post provides the opportunity for an enthusiastic, committed and qualified Landscape Architect to demonstrate imaginative design skills and extensive experience in the implementation of detailed landscape schemes and persuasive skills in the wider advice and encouragement of good practice throughout the City.

ARCHITECT

Scale 5-SO1 (£7,820-£10,836)

Applicants who are registered with ARCUK and able to demonstrate imaginative design and a good all round ability.

ARCHITECTURAL ASSISTANT

(Part-time) Job Sharing

Scale 4-8 (£8,900-£9,591 Pro Rata)

The contract will be for a one year and renewable will be subject to workload and performance. The post is based on 18½ hours per week but this may vary from week to week depending on workload. Applicants should be working towards or possess a recognised architectural qualification.

ARCHITECTURAL TECHNICIAN

Scale 1-8 (£3,008-£8,897)

Candidates to be competent in producing schemes, preparing working drawings and specifications and carrying out land and building surveys with a high standard of draughtsmanship and presentation.

Salaries within the above ranges will be in accordance with age, qualifications and experience.

Application forms and job descriptions are obtainable from the City Architect and Planning Officer's Department, 1 Hyde Road, Worcester WR2 6JP (0806-23471 Ext 2891)

Closing date for applications is 1 July 1988.

This Council is an Equal Opportunities Employer

Principal Planning Officer

Scale 5-P01 (Career) - £7,920-£12,168

A small Conservation team in the County Planning Department provides advice on historic buildings, Conservation Areas, and grant aid. A vacancy has arisen for an assistant with some positive conservation and design experience who can demonstrate his/her ability to communicate successfully with architects, builders and members of the public, as well as with other professional staff.

Applications are invited from candidates who should preferably hold an architectural qualification. Experience in a Planning Department, although not essential, would be an advantage. Fringe benefits include - subsidised restaurant, bank and shop on premises, flexible hours, sports and social club.

Application forms and job descriptions available from County Planning Officer, Shire Hall, Shirefield Park, Reading RG2 9XG, or Tel. Reading (0734) 875444 Ext. 4904.

Closing date Monday 30th June, 1988.

An Equal Opportunity Employer

Royal County of Berkshire

HARROGATE BOROUGH COUNCIL

SENIOR TECHNICAL OFFICER

(Post No T130)

£9975 to £10638 per annum

A Senior Technical Officer is required to devise planned maintenance systems and programmes using computer techniques to analyse collected data. The successful candidate will also assume operational responsibility for implementing planned maintenance and housing repair systems.

Candidates should be in corporate membership of an appropriate professional body and ideally should have had previous experience of the setting up of planned maintenance programmes affecting all types of buildings. Assistance with resettlement expenses in appropriate cases and temporary housing accommodation may be available.

For further details and an application form please contact the Personnel Officer, Council Offices, Crescent Gardens, Harrogate, North Yorkshire HG1 2SG. Telephone (0423) 68954 ext 293.

Closing date: 27th June 1988.



TECHNICAL SERVICES DEPARTMENT

Principal Architect

£15,804 - 16,887

Applications are invited from experienced Architects for this senior post in the Architects Division. The current workload comprises a wide range of major and minor projects including housing, social services and education. The successful applicant will be directly responsible to the Chief Architect, the primary role being to take on the day-to-day management of architectural services.

There is a continuing need to improve office systems to ensure a more effective service to face the challenges of today. To this end computer facilities and CAD are being developed.

You must have a sound knowledge of the workings of Local Authorities; a design flair; managerial experience; an appetite for hard work; a flexible approach to meeting changing priorities and the ability to express yourself both orally and in writing.

This is an excellent opportunity for a person with ambitions in this direction to develop managerial and leadership skills.

An essential car user allowance is currently payable, and relocation expenses may be granted in appropriate circumstances.

Oavid Baker, ARIBA would be pleased to speak to you on 01-951 5657, alternatively, please send for an application form to Peter, First ARIBA AA Officer, Borough Architect and Planning Officer Technical Services Department, London Borough of Sutton, 24 Denmark Road, Carshalton, Surrey SM5 2JG. Tel: 01-891 5578.

Closing date 27 June 1988.

LONDON BOROUGH OF SUTTON

BRIGHTON POLYTECHNIC Departments of Architecture and Building

RESEARCH ASSISTANT

£5,541-£6,384

To join research team on project under the leadership of a senior research programme in construction management. The appointment would be for 3 years in the first instance. The project forms part of an ongoing research programme to study the effect of site practices and procedures on building design and is entitled 'The Integration and Coordination of Design and Construction'. The work consists of monitoring selected building projects and the subsequent preparation of Design Guidance Information.

The successful candidate should have qualifications in Building Design or related disciplines and will be encouraged to register for a higher degree.

Application forms available from the Personnel Department, Brighton Polytechnic, Mithras House, Moulsecomb, Brighton BN1 4AT. Tel: (0873) 834355 Ext. 8356.

For further information please contact Mr Philip Renger, Department of Architecture (0873) 834355.

Closing date June 87.



Architectural Assistants

Professional & Technical Officers
£8,365 to £10,675 (including Inner London Weighting)

Technical Grade 1

£7,185 to £8,965 (including Inner London Weighting)

The Property Services Department of the Metropolitan Police Office has a number of vacancies in existing project teams and is in the process of forming design teams for an expanding workload.

The teams undertake the design and construction of new courts, Police Stations, Offices, residential buildings, laboratories, computer installations etc. In addition there are vacancies in teams dealing with alteration and extension work offering valuable site experience.

Successful candidates will be expected to make a positive contribution to the work of the team and initiative is encouraged.

The Office is recognised for training purposes and encourages staff in all aspects of professional training including day release.

Qualifications for PTO you need ONC/BTEC/SCOTVEC/NC or the equivalent or higher in the appropriate subject plus practical experience.

For Technical Grade 1 you need a City & Guilds Advanced Craft qualification and have served a recognised apprenticeship, or possess at GCE 'O' level or CSE (Grade 2) Several years practical experience are also required.

If you want to find out more about these posts ring Chris Brown on 01-834-6622 ext 6860

Application forms and further details are available from the Establishment Officer, Metropolitan Police Office, Room 213 (PSD/AA), 106 Regency Street, London SW1P 4AN or telephone 01-230 3122 (24 hour answering service)

The Metropolitan Police Office is an equal opportunities employer.

METROPOLITAN POLICE

English Heritage
Historic Buildings & Monuments
Commission for England
ARCHITECTS

English Heritage, the popular name for the Historic Buildings and Monuments Commission for England, was established under the National Heritage Act 1983 to help secure the preservation of Historic Buildings, Conservation Areas and Ancient Monuments throughout England. Although funded by Government we are independent of it.

Based at our London Headquarters, you will join one of our teams responsible for all aspects of monument management including overall development strategy, maintenance and repair and custody and presentation. You will be employed on a wide range of functions, including carrying out feasibility studies and specific projects, mainly concerned with the consolidation and repair of monuments but also with carrying out some new works from sketch design to final account.

You must be a Registered Architect and preference will be given to those who can demonstrate experience in the repair and maintenance of historic buildings and ancient monuments.

Salary: (under review) £8888-£13,118 (including Inner London Weighting), with starting salary according to qualifications and experience. Significant improvements in pay scales will take place over the next 3 years in addition to normal annual pay increases.

For further details and an application form (to be returned by 4 July 1988) write to Civil Service Commission, Alconon Link, Basingstoke, Hants RG24 1J8, or telephone Basingstoke (0256) 488881 (answering service operates outside office hours). Please quote ref. T3/80.

English Heritage is an equal opportunity employer.

YOUR GATEWAY TO HISTORIC ENGLAND

ARCHITECTURAL ASSISTANTS/TECHNICIANS

Scale 5 - £7920-£8697 p.a.

Two new posts have arisen within a small committed architectural team. We can offer a varied workload of new build housing, ranging from very sheltered complexes to small infill sites. The Capital Programme also includes corporate buildings, modernisation, leisure and recreational projects.

The office adopts a flexible approach and applicants should possess the necessary design and construct skills, to enable them to run small projects from inception to completion. They must also be capable of working within a team upon the larger projects. Experience in C.A.O. would be an advantage. These posts carry a casual car user allowance and a car loan is available.

For an informal discussion, telephone Ron Pooley, Principal Architect, (0444) 458169 Ext. 2411.

For an application form and job description, contact Personnel Dept, Mid Sussex District Council, "Oaklands", Oaklands Road, Haywards Heath, W. Sx. RH16 1SS (tel. 0444 450198 ext. 2275. Closing date 27th June, 1988).

MID SUSSEX District Council

DATESHEAF METROPOLITAN BOROUGH COUNCIL

DEPARTMENT OF ARCHITECTURAL SERVICES

Datesheaf MBC embraces the largest area in the Tyne and Wear County and is a true mixture of urban and rural areas, giving the Architect and his team the opportunity of expressing themselves in all types of buildings and in all situations.

As well as controlling Architectural Services within Datesheaf MBC, the Officer of Architectural Services is the Architect and Technical Adviser to the Northumbria Joint Police Authority, looking after all police buildings and houses in the fifth largest Police force in the country, which covers the Counties of Northumberland and Tyne and Wear.

ARCHITECT (3 POSTS)

Grade SO1/PO8 (£9,975-£14,025)

Registered Architects are required for the above posts in the Housing, General and Home Office sections and applicants should have experience in one of these areas although consideration will be given to post graduates with a degree in Architecture seeking work experience prior to their Part III examinations.

TECHNICAL ASSISTANTS

(2 POSTS)

Scale 1/6 (£3,005-£9,591)

Applicants should have an Architectural, Building Surveying or Clerk of Works Inspector background and previous employment with the Property Services Section of the Department on Gateshead MBC and Police Authority buildings.

Telephone 091 477 3616 for further information.

APPLICATION FORMS are available from the Director of Personnel and Management Services, 7th Floor, Aidan House, Tynegate Precinct, Sunderland Road, Gateshead, NE8 3EL returnable by 27th June 1988.

EQUAL OPPORTUNITIES We are an EQUAL OPPORTUNITIES EMPLOYER and welcome applications from candidates of any age, disability, marital status, race or sex.

WARWICKSHIRE COUNTY COUNCIL DEPARTMENT OF LAND AND BUILDINGS

ASSISTANT RESEARCH SURVEYOR

SCALE 4/5/6

£6,900-£9,591

Applications are invited for the above post from persons with the good knowledge of building construction with particular reference to building materials and components. The post holder will be required to assist the Research Surveyor in providing technical information on new and existing products to various members of the design and maintenance sections of the department. They will be expected to acquire specialist knowledge relating to particular components and undertake specific studies on problem areas as and when required.

Applicants should have or be in the process of obtaining a relevant professional qualification, such as Part 1 of B.C.S. (Building Surveying Division) or T.E.C. Higher Certificate/Diploma or equivalent.

Application forms and further details can be obtained from The Director of Land and Buildings

Shire Hall, Warwick CV4 6EP

Tel. Warwick (0926) 493431 Ext. 8039

Closing date for the receipt of completed applications is 4th July 1988.

AN EQUAL OPPORTUNITIES EMPLOYER